

TOWN OF DAVIE
TOWN COUNCIL AGENDA REPORT

TO: Mayor and Councilmembers

FROM/PHONE: Manny Diez, Public Works & Capital Projects Director, (954) 797-1245

PREPARED BY: Dan Oyler, Assistant Public Works Director, (954) 797-1840

SUBJECT: Resolution

AFFECTED DISTRICT: 1

ITEM REQUEST: Schedule for Council Meeting

TITLE OF AGENDA ITEM: AGREEMENT - A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE APPROPRIATE TOWN OFFICIALS TO ENTER INTO A "STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION LOCALLY FUNDED AGREEMENT" FOR LANDSCAPE AND IRRIGATION IMPROVEMENTS ALONG SR-7/US-441 FROM ORANGE DRIVE (M.P.6.485) NORTH TO I-595 (M.P.7.400) (Town's share - \$62,775)

REPORT IN BRIEF: The Florida Department of Transportation will be doing a roadway improvement project along State Road-7 from Orange Drive north to I-595. In conjunction with this improvement, certain landscape improvements will also be made. The improvements are indicated in the attached "State of Florida Department of Transportation Locally Funded Agreement". In order to make the landscape improvements consistent with the State Road-7 Corridor Study adopted by the Town, the Town shall share in the cost by providing \$62,775 in funding from the Tree Preservation Trust account.

PREVIOUS ACTIONS: None

CONCURRENCES: Public Works Department

FISCAL IMPACT: Yes

Has request been budgeted? Yes

If yes, expected cost: \$62,775

Account name and number: Tree Preservation Exp. 001-0701-541-0530

RECOMMENDATION(S): Motion to approve resolution

Attachment(s): Resolution and Agreement

RESOLUTION _____

A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE APPROPRIATE TOWN OFFICIALS TO ENTER INTO A "STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION LOCALLY FUNDED AGREEMENT" FOR LANDSCAPE AND IRRIGATION IMPROVEMENTS ALONG SR-7/US-441 FROM ORANGE DRIVE (M.P.6.485) NORTH TO I-595 (M.P.7.400)

WHEREAS, the Town of Davie, with the participation of the Florida Department of Transportation desire having certain landscape improvements made in connection with Financial Management Number 416876-1-52-01 for landscape and irrigation improvements on SR-7/US-441; and

WHEREAS, it is in the Town's best interest to participate in the funding of said landscaping and irrigation improvements in the amount of \$62,775; and

WHEREAS, after review the Town Council authorizes the Mayor to execute the State of Florida Department of Transportation Locally Funded Agreement.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF DAVIE, FLORIDA.

SECTION 1. The Town Council authorizes the Mayor to execute the State of Florida Department of Transportation Locally Funded Agreement.

SECTION 2. The Town Council authorizes the payment of \$62,775.00 to the Florida Department of Transportation from the Tree Preservation Fund, account number 001-0701-541-05-30.

SECTION 3. This resolution shall take effect immediately upon its passage and adoption.

PASSED AND ADOPTED THIS _____ DAY OF _____, 2009

MAYOR/COUNCILMEMBER
ATTEST:

TOWN CLERK

APPROVED THIS ____ DAY OF _____, 2009

**STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
LOCALLY FUNDED AGREEMENT**

THIS Locally Funded Agreement ("Agreement"), entered into this _____ day of _____, 200_____, by and between the State of Florida Department of Transportation hereinafter called the **DEPARTMENT**, and the **TOWN OF DAVIE** located at **6591 Orange Drive, Davie, FL 33314**, hereinafter called the **PARTICIPANT**.

WITNESSETH

WHEREAS, the **DEPARTMENT** and the **PARTICIPANT** are desirous of having the **DEPARTMENT** make certain improvements in connection with Financial Management (FM) Number **416876-1-52-01** (Funded in **Fiscal Year 2009/2010**) for **Landscape & Irrigation Improvements along SR-7/US-441 from Orange Drive (M.P. 6.485) to South of I-595 (M.P. 7.400) in Broward County, Florida**. Refer to Exhibit "A", Scope of Services attached hereto and made a part hereof; and

WHEREAS, for purposes of this Agreement, improvements to be made as stated above are hereinafter referred to as the **PROJECT**; and

WHEREAS, the improvements are in the interest of both the **PARTICIPANT** and the **DEPARTMENT** and it would be more practical, expeditious, and economical for the **DEPARTMENT** to perform such activities; and

WHEREAS, the **PARTICIPANT** by Resolution No. _____ adopted on _____, 200_____, a copy of which is attached hereto and made a part hereof, authorizes the proper officials to enter into this **AGREEMENT**.

NOW, THEREFORE, in consideration of the mutual benefits to be derived from joint participation on the **PROJECT**, the parties agree to the following:

1. The recitals set forth above are true and correct and are deemed incorporated herein.
2. The **DEPARTMENT** shall be responsible for assuring that the Project complies with all applicable Federal, State and Local laws, rules, regulations, guidelines and standards.
3. The **PARTICIPANT** agrees to make all previous studies, maps, drawings, surveys and other data and information pertaining to the Project available to the **DEPARTMENT** at no extra cost.
4. The **PARTICIPANT'S** share is estimated to be a payment of **SIXTY TWO THOUSAND SEVEN HUNDRED SEVENTY FIVE DOLLARS (\$62,775.00)** to the **DEPARTMENT**, for the Project. In the event the actual cost of the Project is less than the **PARTICIPANT'S** share of **SIXTY TWO THOUSAND SEVEN HUNDRED SEVENTY FIVE DOLLARS (\$62,775.00)**, the difference shall be refunded to the **PARTICIPANT**. In the event the actual cost of the Project is more than the **PARTICIPANT'S** share, any cost overruns or cost increases shall be the sole responsibility of the **PARTICIPANT**.

The **PARTICIPANT** agrees that it will, within thirty (30) days of receipt of invoice, furnish the **DEPARTMENT** with a check in the amount of **SIXTY TWO THOUSAND SEVEN HUNDRED SEVENTY FIVE DOLLARS (\$62,775.00)** towards the Project Costs.

Remittance shall be made **payable** to the **Department of Transportation**. Payment shall be clearly marked to indicate that it is to be applied to FM Project No. **416876-1-52-01**. The **DEPARTMENT** shall utilize this amount towards costs of Project **416876-1-52-01**.

Payment shall be mailed to:

Florida Department of Transportation
Professional Services Unit- Attention: Leos A. Kennedy, Jr.
3400 W. Commercial Boulevard
Fort Lauderdale, Florida 33309-3421

- A. If the accepted bid amount plus allowances is in excess of the advance deposit amount, the **PARTICIPANT** will provide an additional deposit within fourteen (14) calendar days of notification from the **DEPARTMENT** or prior to posting of the accepted bid, whichever is earlier, so that the total deposit is equal to the bid amount plus allowances. The **DEPARTMENT** will notify the **PARTICIPANT** as soon as it becomes apparent the accepted bid amount plus allowances are in excess of the advance deposit amount; however, failure of the department to so notify the **PARTICIPANT** shall not relieve the **PARTICIPANT** from its obligation to pay for its full participation. If the **PARTICIPANT** cannot provide the additional deposit within fourteen (14) calendar days, a letter must be submitted to and approved by the **DEPARTMENT'S** Project Manager indicating when the deposit will be made. The **PARTICIPANT** understands the request and approval of the additional time could delay the Project, and additional costs may be incurred due to delay of the Project.
- B. Should Project modifications occur that increase the **PARTICIPANT'S** share of total Project costs, the **PARTICIPANT** will be notified by the **DEPARTMENT**. The **PARTICIPANT** agrees to provide, without delay, in advance of the additional work being performed, adequate funds to ensure that cash on deposit with the **DEPARTMENT** is sufficient to fully fund its share of the Project. The **DEPARTMENT** shall notify the **PARTICIPANT** as soon as it becomes apparent the actual costs will overrun the award amount; however, failure of the **DEPARTMENT** to so notify the **PARTICIPANT** shall not relieve the **PARTICIPANT** from its obligation to pay for its full participation. Funds due from the **PARTICIPANT** during the Project not paid within forty (40) days calendar days from the date of the invoice are subject to an interest charge at a rate established pursuant to **Section 55.03, F.S.**
- C. The **DEPARTMENT** intends to have its final and complete accounting of all costs incurred in connection with the work performed hereunder within three hundred sixty days (360) of final payment to the Contractor. The **DEPARTMENT** considers the Project complete when the final payment has been made to the Contractor, not when the construction work is complete. All Project cost records and accounts shall be subject to audit by a representative of the **PARTICIPANT** for a period of three (3) years

after final close out of the Project. The **PARTICIPANT** will be notified of the final cost. Both parties agree that in the event the final accounting of total Project costs pursuant to the terms of this Agreement is less than the total deposits to date, a refund of the excess will be made by the **DEPARTMENT** to the **PARTICIPANT**. If the final accounting is not performed within three hundred sixty (360) days, the **PARTICIPANT** is not relieved from its obligation to pay.

- D.** In the event the final accounting of total Project costs is greater than the total deposits to date, the **PARTICIPANT** will pay the additional amount within forty (40) calendar days from the date of the invoice from the **DEPARTMENT**. The **PARTICIPANT** agrees to pay interest at a rate as established pursuant to **Section 55.03, F. S.**, on any invoice not paid within forty (40) calendar days until the invoice is paid.
5. The **PARTICIPANT** and the **DEPARTMENT** shall comply with the provisions set forth in **Exhibit "B", Maintenance Memorandum of Agreement (MMOA)**, which is attached hereto and made part of this Agreement. The **PARTICIPANT** shall sign and return the separately packaged **MMOA** together with this Agreement, to the **DEPARTMENT** for final approval and execution.
 6. In the event it becomes necessary for either party to institute suit for the enforcement of the provisions of this Agreement, each party shall be responsible to pay their own attorney fees and court costs.
 7. This AGREEMENT and any interest herein shall not be assigned, transferred or otherwise encumbered by the **PARTICIPANT** under any circumstances without the prior written consent of the **DEPARTMENT**. However, this AGREEMENT shall run to the **DEPARTMENT** and its successors.
 8. Except as otherwise set forth herein, this AGREEMENT shall continue in effect and be binding to both the **PARTICIPANT** and the **DEPARTMENT** until the Project is **completed** as evidenced by the written acceptance of the **DEPARTMENT**, or **June 30, 2012** whichever occurs first.
 9. The **PARTICIPANT** warrants that it has not employed or obtained any company or person, other than bona fide employees of the **PARTICIPANT**, to solicit or secure this AGREEMENT, and it has not paid or agreed to pay any company, corporation, individual or firm, other than a bona fide employee employed by the **PARTICIPANT**. For breach or violation of this provision, the **DEPARTMENT** shall have the right to terminate the AGREEMENT without liability.
 10. This AGREEMENT is governed by and construed in accordance with the laws of the State of Florida. Venue with respect to any litigation shall be in Broward County.
 11. This document incorporates and includes all prior negotiations, correspondence, conversations, agreements, or understandings applicable to the matters contained herein, and the parties agree that there are no commitments, agreements or understandings concerning the subject matter of this agreement that are not contained in this document. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representation or agreements whether oral or written. It is further agreed that no modification,

amendment, or alteration in the terms and conditions contained herein shall be effective unless contained in a written document executed with the same formality and of equal dignity herewith.

12. Any or all notices (except invoices) given or required under this Agreement shall be in writing and either personally delivered with receipt acknowledged or sent by certified mail, return receipt requested. All notices delivered shall be sent to the following addresses:

If to the DEPARTMENT:

Florida Department of Transportation - District Four
3400 West Commercial Blvd.
Fort Lauderdale, Florida 33309-3421
Attn: **Leos A. Kennedy, Jr.**
With a copy to: **Leslie Wetherell**
A second copy to: District General Counsel

If to the PARTICIPANT:

Town of Davie
6591 Orange Drive
Davie, FL 33314
Attn: **Mr. Dan Oyler**
Asst. Public Works Director
With a copy to: Attorney

IN WITNESS WHEREOF, this Agreement is to be executed by the parties below for the purposes specified herein. Authorization has been given to enter into and execute this Agreement by Resolution No. _____, hereto attached.

TOWN OF DAVIE

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

BY: _____
NAME: _____
TITLE: _____

BY: _____
ROSIELYN QUIROZ
DIRECTOR OF TRANSPORTATION SUPPORT

ATTEST:

APPROVED: (AS TO FORM)

TOWN CLERK (SEAL)

BY: _____
DISTRICT GENERAL COUNSEL

APPROVED:

APPROVED:

BY: _____
TOWN ATTORNEY

BY: _____
PROFESSIONAL SERVICES ADMINISTRATOR

EXHIBIT A SCOPE OF WORK

This project involves landscape improvements to the median on **SR-7** and it extends from north of Orange Drive (**M.P. 6.485**) to southern limit of I-595 (**M.P. 7.400**)

- 1) The **DEPARTMENT** shall perform the following services, which are to include:
 - a) Develop the landscape/irrigation plans, which are shown as a part of the Maintenance Memorandum of Agreement (**MMOA**), Exhibit B, attached hereto and made a part of the Agreement.
 - b) Construct the landscape/irrigation improvements as shown in the plans which are a part of the **MMOA**.

- 2) The **PARTICIPANT** shall perform the following services which include, but is not limited to:
 - a) Entering into a Maintenance Memorandum of Agreement (**MMOA**) with the **DEPARTMENT** for the maintenance of all proposed landscape and irrigation improvements.

EXHIBIT "B"

**MAINTENANCE
MEMORANDUM OF AGREEMENT**

SECTION Nos.: 86100000, 86080000
86220000, 86190000
86015000, 86016000
S.R. Nos.: 7, 817, 823, 818, 848
COUNTY: Broward
FM Nos.: 416876-1-52-01
408439-154-01
416553-1-58-01
411323-1-52-02
413796-1-52-01
421672-1-52-01
403698-1-72-01
WPI Nos. 4119110, 4119110,
4119110, 4612014,
4110571, 4111149,
4110998

DISTRICT FOUR (4)
MAINTENANCE MEMORANDUM OF AGREEMENT
INCLUSIVE AGREEMENT

THIS AGREEMENT, made and entered into this _____ day of _____ 20____, by and between the **STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**, a component agency of the State of Florida, hereinafter called the DEPARTMENT and the **TOWN OF DAVIE**, of the State of Florida, existing under the Laws of Florida, hereinafter called the AGENCY.

WITNESSETH:

WHEREAS, the DEPARTMENT has jurisdiction over State Roads 7, 817, 823, 818, and 848 as part of the State Highway System as described in Exhibit A; and

WHEREAS, the DEPARTMENT seeks to install or has installed and maintains certain landscape improvements within the right-of-way of State Road 7 (US 441) and SR 817 (University Drive) and the other roads described; and

WHEREAS, the AGENCY and the DEPARTMENT have entered into previous agreements for the AGENCY to maintain landscape improvements on DEPARTMENT right-of-way; and

WHEREAS, as part of the continual updating of the State of Florida Highway System, the DEPARTMENT, for the purpose of safety, protection of the investment and other reasons, has constructed and does maintain the highway facilities as described further in Exhibit A attached hereto and incorporated by reference herein; and

WHEREAS, the AGENCY and DEPARTMENT are of the opinion that highway facilities within the AGENCY'S limits that contain landscape improvements to medians and areas outside the travel way to the right of way line and areas within the travel way containing specialty surfacing (concrete pavers, stamped asphalt or stamped concrete), including any hardscape, but excluding standard concrete sidewalk, shall be maintained by periodic pruning, mowing, fertilizing, weeding, litter pick-up, necessary replanting, irrigation repair and any median concrete replacements associated with the specialty surfacing as needed; and

WHEREAS, it is the intent of the AGENCY and the DEPARTMENT that the AGENCY shall maintain all right of way within the medians, outside the travel way and improvements made to the travel way that were made at the request of the AGENCY; and

WHEREAS, the AGENCY and DEPARTMENT intend for this agreement to replace and supersede the agreements described in Exhibit C except as otherwise provided in this Agreement; and

WHEREAS, the parties hereto mutually recognize the need for entering into an Agreement designating and setting forth the responsibilities of each party; and

WHEREAS, the AGENCY by Resolution No. _____ dated _____, attached hereto and by this reference made a part hereof, desires to enter into this Agreement and authorizes its officers to do so;

NOW THEREFORE, for and in consideration of the mutual benefits to flow each to the other, the parties covenant and agree as follows:

1. The recitals set forth above are true and correct and are deemed incorporated herein.
2. INSTALLATION OF FACILITIES BY DEPARTMENT

The DEPARTMENT has installed, will install, or cause to be installed *landscape improvements* including: plantings, irrigation and/or hardscape on the highway facilities substantially as specified in the initial plans and specifications hereinafter referred to as the Project and incorporated herein as referenced as State Roads 7, 817, 823, 818, and 848 in Exhibits B, C and D. If there are any major changes to the plans, the DEPARTMENT shall provide the modified plans to the AGENCY and the AGENCY shall provide their approval or disapproval to the DEPARTMENT within 10 business days. The DEPARTMENT may elect to withdraw the landscape improvement if changes are not approved within the given time frame. Hardscape shall mean, but not limited to, any non-standard landscape lighting, any non-standard roadway, sidewalk, median or crosswalk surfacing, such as, but not limited to concrete pavers, stamped asphalt or color stained and/or stamped concrete, fountain, tree grates, and/or decorative free standing wall. This amount may be reduced or eliminated at the sole discretion of the DEPARTMENT due to budgetary constraints of the DEPARTMENT.

3. MAINTENANCE OF FACILITIES

- A. The AGENCY agrees to maintain the landscape improvements, as existing and those to be installed and defined as: plantings, irrigation, and / or hardscape within the medians and areas in and outside the travel way to the right of way line as described in Exhibit A. These areas may contain specialty surfacing as existing and as described in Exhibits B, C, and D. The non-standard improvements to the travelway shall be maintained by the AGENCY regardless if the said improvement was made by the DEPARTMENT, the AGENCY, or others by periodic pruning, mowing, fertilizing, weeding, curb and sidewalk edging, litter pickup, necessary replanting, and / or repair following the DEPARTMENT'S landscape safety and maintenance guidelines and Exhibit E, the Maintenance Plan. The AGENCY'S responsibility for maintenance shall include all landscaped / turfed and hardscape areas within the median and areas outside the travelway to the right-of-way and areas within the travelway containing specialty surfacing. It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway caused by the differential characteristics of non-standard surfacing and the associated

header curb and concrete areas on the DEPARTMENT right-of-way within the limits of this Agreement.

- B. Such maintenance to be provided by the AGENCY is specifically set out as follows: to maintain, which means the proper watering and fertilization of all plants and keeping them as free as practicable from disease and harmful insects; to properly mulch the planting beds; to keep the premises free of weeds; to mow the grass to the proper height; to properly prune all plants which at a minimum includes: (1) removing dead or diseased parts of plants, (2) pruning such parts thereof to provide clear visibility to signage or for those using the roadway and or sidewalk; (3) preventing any other potential roadway hazards. Plants shall be those items which would be scientifically classified as plants and include but are not limited to trees, shrubs, groundcover and sod. To maintain also means removing or replacing dead or diseased plants in their entirety, or removing or replacing those that fall below original project standards. Palms must be kept fruit free year round. To maintain also means keeping the header curbs that contain the surfacing treatment in optimum condition. To maintain also means keeping the hardscape areas free from weeds and repairing said hardscape as is necessary to prevent a safety hazard. To maintain also means keeping litter removed from the median and areas outside the travel way to the right of way line. All plants removed for whatever reason shall be replaced by plants of the same species type, size, and grade as specified in the original plans and specifications. Any changes to the original plans shall be submitted by permit application to the DEPARTMENT for review and approval.
- C. If it becomes necessary to provide utilities (water/electricity) to the medians or areas outside the travelway for these improvements, all costs associated with the utilities associated with landscape accent lighting and/or irrigation including, but not limited to the impact and connection fees, and the on-going cost of utility usage for water and electrical, are the maintaining AGENCY'S responsibility.
- (1) The AGENCY shall become responsible for the above named utility costs upon final acceptance of the construction project by the DEPARTMENT and thereafter. The construction project is accepted prior to the start of the Plant Establishment and Contractor's Warranty Period.
- AND
- (2) The AGENCY shall be responsible for all the improvements immediately after final acceptance of the construction project by the DEPARTMENT except for plants. The AGENCY shall be responsible for the maintenance of all improvements after the completion of the Plant Establishment and Contractor's Warranty Period.
- D. The above named functions to be performed by the AGENCY may be subject to periodic inspections by the DEPARTMENT at the discretion of the DEPARTMENT. Such inspection findings will be shared with the AGENCY and shall be the basis of all decisions regarding, repayment, reworking or agreement termination. The AGENCY shall not change or deviate from said plans without written approval of the DEPARTMENT.

4. SUPERSEDED PRECEDING AGREEMENTS

This Agreement shall replace and supersede any and all preceding agreements as listed in Exhibit C. The landscape improvement plans attached to the referenced agreements shall by reference become a part of this agreement as if they were attached hereto. The AGENCY shall have the same duty to maintain those landscape improvements under this

Agreement as the Agency did under the previous agreements, and as more specifically detailed in this Agreement.

This writing embodies the entire Agreement and understanding between the parties hereto and there are no other Agreements and understanding, oral or written, with reference to the subject matter hereof that are not merged herein and superseded hereby except as specifically reference in Exhibit C.

5. NOTICE OF MAINTENANCE DEFICIENCIES

- A. If at any time after the AGENCY has undertaken the landscape improvement installation and/or maintenance responsibility mentioned above, it shall come to the attention of the DEPARTMENT'S District Secretary that the limits, or a part thereof, are not properly maintained pursuant to the terms of this Agreement, said District Secretary, may at his/her option, issue a written notice that a deficiency or deficiencies exist(s), by sending a certified letter to the AGENCY, to placing said AGENCY on notice thereof. Thereafter, the AGENCY shall have a period of thirty (30) calendar days within which to correct the cited deficiencies. If said deficiencies are not corrected within this time period, the DEPARTMENT may, at its option, proceed as follows:
- (1) Complete the installation, or part thereof, with DEPARTMENT or Contractor's personnel and deduct the cost of such work from the final payment for said work or part thereof, or
 - (2) Maintain the landscape improvements or any part thereof, with the DEPARTMENT or Contractor's personnel and invoice the AGENCY for expenses incurred, or
 - (3) At the discretion of the DEPARTMENT terminate the Agreement in accordance with Paragraph 12, and remove by the DEPARTMENT or private Contractor's personnel, all of the landscape improvements installed under this Agreement or any preceding Agreements except as to trees and palms and charge the AGENCY the reasonable cost of such removal.
- B. The AGENCY agrees to reimburse the DEPARTMENT all monies expended by the DEPARTMENT for the projects listed in Exhibit B, C and D in the amounts listed in those agreements should the landscape improvement areas fail to be maintained in accordance with the terms and conditions of this Agreement in the amounts listed in those agreements.

6. FUTURE DEPARTMENT IMPROVEMENTS

In the event the DEPARTMENT decides to construct additional landscape improvements or modify these improvements within the limits of the rights of way herein previously identified, the DEPARTMENT and the AGENCY shall agree in writing and require signature from the responsible AGENCY (*Chairperson/Mayor/City Manager/City Engineer/Director of Public Works/Director of Parks and Recreation approval signature*) to the new landscape improvements and maintenance plan thereof. If the AGENCY and the DEPARTMENT are unable to come to an agreement, the DEPARTMENT, in its sole discretion, may install sod and the agency shall be required, pursuant to this Agreement, to continue maintaining said landscape improvements. It is understood between the parties hereto that the landscape improvements covered by this Agreement may be removed, relocated, or adjusted at any time in the future, as determined to be necessary by the DEPARTMENT in order that the adjacent state road be widened, altered, or otherwise changed to meet with future criteria or planning of the DEPARTMENT. The AGENCY shall be given sixty (60) calendar day's notice to remove said

landscape/hardscape after which time the DEPARTMENT may remove same. All permits (including tree permits), fees, and any mitigation associated with the removal, relocation or adjustments of these improvements are the maintaining AGENCY'S responsibility.

7. FUTURE AGENCY IMPROVEMENTS

The AGENCY may construct additional landscape improvements within the limits of the rights of ways identified as a result of this document, subject to the following conditions:

- (a) Plans for any new landscape improvements shall be subject to approval by the DEPARTMENT. The AGENCY shall not change or deviate from said plans without written approval by the DEPARTMENT.
- (b) The AGENCY shall procure a permit from the DEPARTMENT.
- (c) All landscape improvements shall be developed and implemented in accordance with appropriate state safety and roadway design standards.
- (d) The AGENCY agrees to comply with the requirements of this Agreement with regard to any additional landscape improvements installed at no cost to the DEPARTMENT.

8. ADJACENT PROPERTY OWNER IMPROVEMENTS

The DEPARTMENT may allow an adjacent property owner to construct additional landscape or hardscape improvements within the limits of the right of-way identified in Exhibit A of this document that the AGENCY shall be responsible for maintaining under this agreement subject to the following conditions:

- (a) Plans for any new landscape improvements shall be subject to approval by the DEPARTMENT and shall require a valid permit attached with a letter of consent to said plans by the AGENCY. The plans shall not be changed or deviated from without written approval by the DEPARTMENT and the AGENCY.
- (b) All landscape improvements shall be developed and implemented in accordance with appropriate state safety and roadway design standards.
- (c) The AGENCY agrees to comply with the requirements of the Agreement with regard to any additional landscape improvements installed by an adjacent owner.

9. PROJECT COST

The DEPARTMENT agrees to enter into a contract for the installation of the Project (SR 705 441) for an amount not to exceed \$212,895.00 and for the installation of the Project (SR 817/University Drive)) for an amount not to exceed \$90,000.00 as defined in Exhibit F. This amount may be reduced or eliminated at the sole discretion of the DEPARTMENT or due to budgetary constraints of the DEPARTMENT.

The DEPARTMENT'S participation in the Project cost, as described in Exhibit F is limited to only those items which are directly related to this Project.

The AGENCY shall be invited to assist the DEPARTMENT in final inspection upon completion of the Plant Establishment and Contractor's Warranty Period.

10. AGENCY REIMBURSEMENT

The DEPARTMENT and the AGENCY intend to enter into a separate agreement as further described in Exhibit E attached hereto and made a part hereof. The DEPARTMENT shall be invited to assist the AGENCY in final inspections before acceptance of the job by the AGENCY

11. AGREEMENT TERMINATION

This Agreement may be terminated under any one (1) of the following conditions:

- (a) By the DEPARTMENT, if the AGENCY fails to perform its duties under this Agreement, following ten (10) days written notice.
- (b) By the DEPARTMENT, for refusal by the AGENCY to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the AGENCY in conjunction with this Agreement.

12. AGREEMENT TERM

- A. The term of this Agreement commences upon execution by all parties. The term of this Agreement shall last as long as the landscape improvements exist.
- B. If the DEPARTMENT cancels one or all the project(s) described in Exhibit B, this Agreement shall still be valid.

13. LIABILITY AND INSURANCE REQUIREMENTS

- A. With respect to any of the AGENCY'S agents, consultants, sub-consultants, contractors, and/or sub-contractors, such party in any contract for this project shall agree to indemnify, defend, save and hold harmless the DEPARTMENT from all claims, demands, liabilities, and suits of any nature arising out of, because of or due to any intentional and/or negligent act or occurrence, omission or commission of such agents, consultants, subconsultants, contractors and/or subcontractors. The AGENCY shall provide to the DEPARTMENT written evidence of the foregoing upon the request of the DEPARTMENT. It is specifically understood and agreed that this indemnification clause does not cover or indemnify the DEPARTMENT for its own negligence.
- B. In the event that AGENCY contracts with a third party to provide the services set forth herein, any contract with such third party shall include the following provisions:
 - (a) AGENCY'S contractor shall at all times during the term of this Agreement keep and maintain in full force and effect, at contractor's sole cost and expense, Comprehensive General Liability with minimum limits of \$1,000,000.00 per occurrence combined single limit for Bodily Injury Liability and Property Damage Liability and Worker's Compensation insurance with minimum limits of \$500,000.00 per Liability. Coverage must be afforded on a form no more restrictive than the latest edition of the Comprehensive General Liability and Worker's Compensation policy without restrictive endorsements, as filed by the Insurance Services Office and shall name the DEPARTMENT as an additional insured.

- (b) AGENCY'S contractor shall furnish AGENCY with Certificates of Insurance of Endorsements evidencing the insurance coverages specified herein prior to the beginning performance of work under this Agreement.
- (c) Coverage is not to cease and is to remain in full force and effect (subject to cancellation notice) until all performance required of AGENCY'S contractor is completed. All policies must be endorsed to provide the DEPARTMENT with at least thirty (30) days notice of cancellation and or/or restriction. If any of the insurance coverages will expire prior to the completion of work, copies of renewal policies shall be furnished at least (30) days prior to the date of expiration.
14. The DEPARTMENT, during any fiscal year, shall not expend money, incur any liability, nor enter into any contract which, by its terms, involves the expenditure of money in excess of the amounts budgeted as available for expenditure during such fiscal year. Any contract, verbal or written, made in violation of this subsection is null and void, and no money may be paid on such contract. The DEPARTMENT shall require a statement from the Comptroller of the DEPARTMENT that funds are available prior to entering into any such contract or other binding commitment of funds. Nothing herein contained shall prevent the making of contracts for periods exceeding one year, but any contract so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years; and this paragraph shall be incorporated verbatim in all contracts of the DEPARTMENT which are for an amount in excess of TWENTY-FIVE THOUSAND DOLLARS (\$25,000.00) and which have a term for a period of more than one year.
15. The DEPARTMENT'S District Secretary shall decide all questions, difficulties, and disputes of any nature whatsoever that may arise under or by reason of this Agreement, the prosecution or fulfillment of the service hereunder and the character, quality, amount and value thereof; and his decision upon all claims, questions, and disputes shall be final and conclusive upon the parties hereto.
16. This Agreement may not be assigned or transferred by the AGENCY, in whole or in part, without the prior written consent of the DEPARTMENT.
17. This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. In the event of a conflict between any portion of the contract and Florida law, the laws of Florida shall prevail. The Agency agrees to waive forum and venue and that the Department shall determine the forum and venue in which any dispute under this agreement is decided.
18. EXCEPTION TO SUPERSEDED PRECEDING AGREEMENTS
- This Agreement constitutes the complete and final expression of parties with respect to the subject matter hereof and supersedes all prior agreements, understanding, or negotiations with respect thereto, with the exception of the landscape improvements plans incorporated by reference in Exhibit C.
19. NOTICES
- Any and all notices given or required under this Agreement shall be in writing and either personally delivered with receipt acknowledgement or sent by certified mail, return receipt requested. All notices shall be sent to the following addresses:

If to the DEPARTMENT:

State of Florida Department of Transportation
Planning & Environmental Management
3400 West Commercial Blvd.
Ft. Lauderdale, FL 33309-3421
Attention: Elisabeth A. Hassett, R.L.A.
FDOT District IV Landscape Architect

If to the AGENCY:

Town of Davie
6591 Orange Drive
Davie, Florida 33314
Attention: Mr. Dan Oyler
Title: Assistant Public Works
Director

20. LIST OF EXHIBITS

Exhibit A: Town of Davie Maintenance Limits & Agreement Status Graphic
Exhibit B: Project(s) Pending Agreements
Exhibit C: Preceding Project Agreements Descriptions
Exhibit D: Pending Department Project(s) Landscape Improvement Plans
Exhibit E: Maintenance Plan (s)
Exhibit F: Pending Department Project(s) Cost Estimate

IN WITNESS WHEREOF, the parties hereto have executed this Agreement effective the day and year first above written.

AGENCY

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

By: _____
Chairperson/Mayor

By: _____
Transportation Development Director

Attest: _____ (SEAL)
Clerk

Attest: _____ (SEAL)
Executive Secretary

Approval as to Form

Date

Approval as to Form

Date

Attorney

District General Counsel

SECTION Nos.: 86100000, 86220000
86190000, 86015000
86080000, 86016000
S.R. Nos.: 7, 817, 823, 818, 848
COUNTY: Broward
FM Nos.: 40843915401
416553-1-58-01
41323-1-52-02
413796-1-52-01
421672-1-52-01
403698-1-72-01
WPI Nos. 4119110, 4119111,
4119110, 4112014,
4110571, 4111149,
4110998

EXHIBIT A

TOWN OF DAVIE MAINTENANCE LIMITS

(See Attached Table)

The portion of I-595/SR 84 roads that are currently being maintained by the AGENCY will continue to be maintained by the AGENCY until 30 day notice by the DEPARTMENT.

The DEPARTMENT has the option to maintain a road or a portion thereof by giving the AGENCY 30 days notice. The AGENCY shall continue to maintain all other portions of roads within the agreement terms.

TOWN OF DAVIE MAINTENANCE LIMITS GRAPHIC FOR STATE ROADS:

(See Attached Graphic)

Areas to be maintained by the Agency according to this Maintenance Memorandum of Agreement (MOA).

EXHIBIT A
TOWN OF DAVIE MAINTENANCE

The following are loads to be maintained by Davie

| STATE ROAD | BEGIN ROAD NAME | BEGIN MILEPOST | END ROAD NAME | END LIMITS | MAINTENANCE LIMITS |
|---------------------------|-------------------------|---|--------------------------------------|-----------------|-----------------------------|
| SR 7 (US 441) | SW 54 CT | 5.568 | I-595 Southern limited Access Line | | Median and West Side to ROW |
| SR 817 (University Drive) | Sheridan Street | 4.1 | SR 84 | | ROW to ROW |
| SR 823 (Flamingo Road) | Orange Drive | 7.404 | SR 84 | | Medians Only |
| SR 848 (Stirling Road) | SR 818 University Drive | 0 | SR 91 Florida's Turnpike Enterprises | | ROW to ROW |
| SR 818 (Griffin Road) | Pine Island Road | 3.319 | SR 7 (US 441) | | ROW to ROW |
| CR 848 (Stirling Road) | SW 148th Ave | no milepost. SLD do not extend out the far | Hawks Bluff Ave | no mile not e/t | Includes 4 Quadrants only |

Exhibit A



SECTION Nos.: 86100000, 86220000
86190000, 86015000
86080000, 86016000
S.R. Nos.: 7, 817, 823, 818, 848
COUNTY: Broward
FM Nos.: 40843915401
416553-1-58-01
41323-1-52-02
413796-1-52-01
421672-1-52-01
403698-1-72-01
WPI Nos. 4119110, 4119110,
4119110, 4612014,
4110571, 4111149,
4110998

EXHIBIT B

PROJECT(S) PENDING AGREEMENT(S)

All state right of way on SR 7 (US 441), within the limits of the Town of Davie

DEPARTMENT INSTALLED PROJECT:

- I. State Road 7 (US 441) from Orange Drive (MP 6.483) to North of Oakes Road (MP 7.400). FM# 413796-1-52-01
- II. State Road 817 (University Drive) From Orange Drive (MP 6.402) to SW 30th Street (MP 7.752) FM# 421672-1-52-01

SECTION Nos.: 86100000, 86220000
 86190000, 86015000
 86080000, 86016000
S.R. Nos.: 7, 817, 823, 818, 848
COUNTY: Broward
FM Nos.: 408439-1-54-01
 416553-1-58-01
 411323-1-52-02
 413796-1-52-01
 421672-1-52-01
 403698-1-72-01
WPI Nos. 4119110, 4119110,
 4119110, 4612014,
 4110371, 4111149,
 4110998

EXHIBIT C

PRECEDING PROJECT AGREEMENT DESCRIPTIONS

The following agreements have been executed for projects that have been installed, in accordance with the plans and specifications attached hereto and incorporated herein but not exclusive to the following agreement descriptions.

AGREEMENTS SUPERSEDED BY THIS AGREEMENT

12/18/2007 – State Road 818 (Griffin Road) east of RR on new Griffin Road landscaping (MP 6.186 to MP6.242). Resolution No. R2007-314.

2/2/2007 – State Road 817 (University Drive) MP 2.379 to MP 6.306. FM# 413796-1-52-01. Resolution No. R2007-17.

12/16/2005 – The intersection of State Road 862 (I-595) landscaping and irrigation (MP 4.990 to MP 5.214). FM# 411323-1-52-02. Resolution No. R-2005-289

6/2/2004 – State Road 823 (Flamingo Road) from State Road 818 (Griffin Road) to State Road 84 Landscaping (MP7.343 to MP 10.897). FM# 416553-1-58-01. Resolution No. R2004-107

4/25/2001 – State Road 84 near Hacienda Avenue Apartments. Landscaping. Resolution No. R2001-99.

8/30/2000 – Amendment to 8/20/1997 agreement. State Road 823 (Flamingo Road) between Orange Drive and SW 36th Court and from State Road 84 to SW 14th Street. Landscaping (MP 7.417 to MP 10.684) FM# 40843915401. Resolution No. R2000-189

11/16/1999 – State Road 817 (University Drive) from south of Nova Drive north to State Road 84. Landscaping and irrigation (MP 8.244 to MP 8.757). WPI# 4110998. Resolution No. R99-306

Exhibit C

11/16/1999 – State Road 848 (Stirling Road) from SW 148th Avenue (Volunteer Road) west to Hawks Bluff Avenue. No mileposts. FM#403698-1-72-01. Resolution No. R99-305.

10/9/1998 – State Road 862 (I-595) at 136th Avenue - N,S,E & W Quadrants. Landscaping (MP 0.011 to 0.407) WPI# 4111149 Resolution No. R98-267

11/19/1997 – State Road 818 (Griffin Road) from State Road 7 (Us 441) west to Town limits, Davie Road, eleven hundred feet (1,100) north and south of Sate Road 818 and State Road 7 south to SW 52nd Court and north to seven hundred feet (700) north of orange Drive. Landscaping (MP 5.064 to MP 6.672). WPI # 4110571 Resolution No. R97-410

8/20/1997 – State Road 823 (Flamingo Road) from Orange Drive north to State Road 84. Landscaping and median mowing (MP 7.417 to MP 10.684). Median Areas only. FM# 408439-1-54-01 WPI # 4612014 Resolution No. R97-285

5/7/1997 – State Road 862 (I-595) and Davie Road All four quadrants Landscaping (MP 6.425 to 6.926) Resolution R97-168

3/20/1996 – State Road 823 (Flamingo Road) from Orange Drive north to State Road 84. Landscaping (MP 7.417 to MP 10.684) WPI# 4119110 resolution No R96-92

12/7/1994 - Intersection of State Road 817 (University Drive) and State Road 818 (Griffin Road). Landscaping, irrigation and paving (MP 6.439 to 6.439). WPI #4119110 Resolution No. R94-390

8/19/1991 – State Road 7 (US 441) from Orange Drive north to Oakes Road. Landscaping (MP 6.483 to MP7.086). WPI #4119110 Resolution No. R91-173

This Agreement, pursuant to paragraph number 18, shall supersede all other above agreements except as to the actual landscape plans that have not been replanted by subsequent FDOT approved projects. The terms of this agreement shall apply to those landscape plans.

SECTION Nos.: 86100000, 86220000
86190000, 86015000
86080000, 86016000
S.R. Nos.: 7, 817, 823, 818, 848
COUNTY: Broward
FM Nos.: 40843915401
416553-1-58-01
41323-1-52-02
413796-1-52-01
421672-1-52-01
403698-1-72-01
WPI Nos. 4119110, 4119111,
4119110, 4119114,
4110571, 4111149,
4110998

EXHIBIT D

PENDING DEPARTMENT PROJECT(S) LANDSCAPE IMPROVEMENT PLANS

Please see attached plans by:

I. State Road 7 (US 441)

Gentile, Holloway, O'Mahoney
& Associates, Inc.

Dated: November 26, 2008

II. State Road 817 (University Drive)

Cotleur Hearing

Dated: March 25, 2009

CONTRACT PLANS

FINANCIAL PROJECT ID 416876-1-52-01
BROWARD COUNTY (86100)
STATE ROAD NO. 7 - US 441

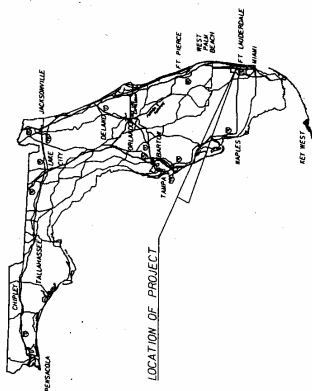
LANDSCAPE PLANS

INDEX OF TREE SURVEY

| SHEET NO. | SHEET DESCRIPTION |
|---------------------|---------------------------------|
| LD-1 | KEY SHEET |
| LD-2 | SKETCH |
| LD-3 AND LD-4 | TABULATION OF QUANTITIES |
| LD-5 | SKETCH |
| LD-6 THROUGH LD-8 | TREE SURVEY CHART |
| LD-12 THROUGH LD-20 | LANDSCAPE PLANS |
| LD-21 THROUGH LD-29 | IRRIGATION TABLE AND DETAILS |
| LD-30 | IRRIGATION NOTES AND PROCEDURES |
| LD-31 | IRRIGATION PUMP DETAILS |
| LD-32 | |

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED JANUARY 2008,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2008,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 1-1-Q7
For Design Standards Modifications click on
"Design Standards" on the following web site:
<http://www.dot.state.fl.us/redesign/>



TO BE SUBMITTED TO:
JASON LITTERICK, ASLA
RENTILE, HOLLOWAY, O'HANNEY, & ASSOC.
1907 COMMERCE LANE, SUITE 101
KUPITER, FLORIDA 33458
561-575-9557

PLANS PREPARED BY:
LANDSCAPE ARCHITECT OF RECORD: JASON M. TITENACK, ASLA LAR0016377
CERTIFICATE OF AUTHORIZATION NO. LCD0009177

Gentile Holloway O'Mahoney
Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants

107 Concessions Ln., Ste. 101, Jupiter, FL 33468 561-576-9157 www.landscapewebllc.com

CONTRACT NO.: C-8771
ENDOR. NO.: F65003348000

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

Constructability Submission

[illegible]

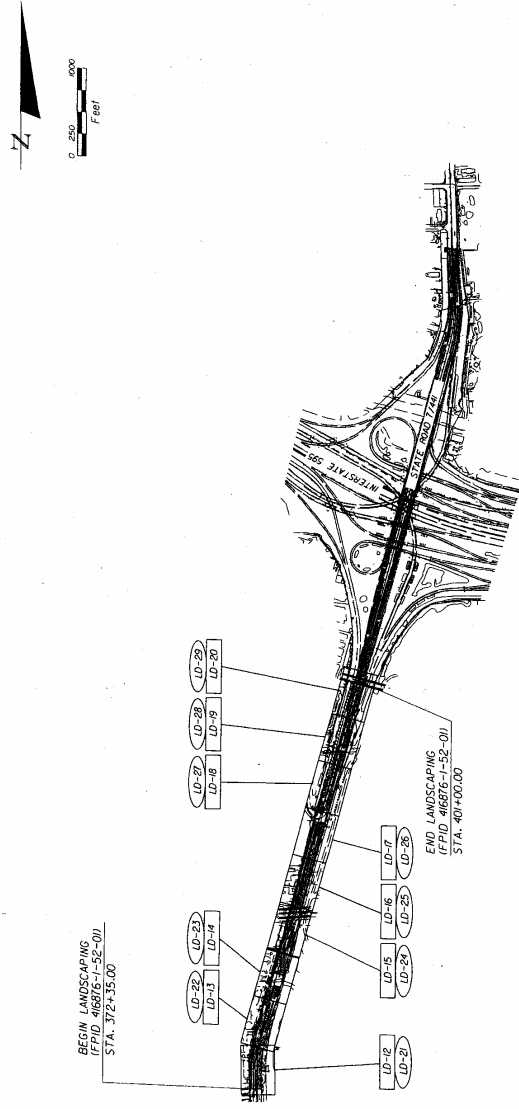
LANDSCAPE PLANS
LANDSCAPE
ARCHITECT OF RECORD:
JASON LITTERICK, ASLA
P.L.A. NO. 2 00016377

| | |
|----------------|------|
| FISCAL YEAR | 07 |
| SHEET NO. | LD-1 |

FDOT PROJECT MANAGER: LESLIE WETHERELL, P.E.

2/19/2022 2:13:23 PM

27-C-0006-0000-001-0508 SR 7 Broward County Voluntary Eminent Domain

[illegible]

[illegible]

| | |
|--------------|------|
| SHEET NO. | LD-3 |
|--------------|------|

[illegible]

1. THE LOCATION OF PLANTS, AS SHOWN ON THESE PLANS ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS, TO COMPLY WITH SAFETY SETBACKS, OR AS OTHERWISE DIRECTED OR APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL FLAG ALL PROPOSED TREE BY THE ENGINEER AND FOR HIS OR HER APPROVAL PRIOR TO PLANTING.

2. ABOVE AND BELOW GROUND UTILITIES SHALL BE IDENTIFIED AND LOCATED BY THE LANDSCAPE CONTRACTOR PRIOR TO WORK IN THE PROJECT AREA. IF UTILITY PLANS ARE AVAILABLE, THE CONTRACTOR SHALL EXAMINE THEM AND BRING UP AND ALL COMPLETS TO THE ATTENTION OF THE PROJECT ENGINEER, WHO SHALL COORDINATE THE NECESSARY UTILITY RELOCATION. THE CONTRACTOR SHALL ADVISE WHEN WORKING IN AN AREA WHERE KNOWN UTILITIES EXIST. UTILITIES MAY NEED TO BE STAKED BY A SURVEYOR OF THE UTILITY COMPANIES. THE CONTRACTOR HAS THE OPTION TO SCHEDULE SUNSHINE STATE ONE OF THE UTILITY COMPANIES TO IDENTIFY THE LOCATION OF THE UTILITIES WHEN EXISTING TO THEIR SERVICE. ADJUST THE LOCATIONS WHEN NECESSARY NOT SURROUNDING THE UTILITIES.

COMPANIES

[illegible]

TOWN OF DAVIE
DAN DYER, ASST. PUBLIC WORKS MGR.
5591 ORANGE DRIVE
DAVIE, FLORIDA
954-797-1840

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. REFER TO DRAWINGS FOR A LISTING OF ALL KNOWN UTILITIES IN THE AREA.
- ALL LANDSCAPE BEDS SHALL RECEIVE A UNIFORM APPLIED MULCH MATERIAL TO A MINIMUM THICKNESS OF 3" OVER THE ENTIRE PLANT BED, EXCEPT WITHIN 6" OF PLANT TRUNKS. ALL KNOWN EXISTING TREES & PLANTS NOT LOCATED WITHIN A LANDSCAPE BED SHALL BE 6" ALTHOUGH A CONTINUOUS WEAVING MULCH SHALL BE PROVIDED AROUND ALL CABBAGE PALM GROUPINGS.
- NO PLANT SUBSTITUTIONS WILL BE MADE WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.
- DESIGN SPEED:50 MPH

| S/N. | QTY. | BOTANICAL NAME | COMMON NAME | INSTALLED SIZE | PAY SIZE | MAX. MAINTAINED SIZE | SPACING | REMARKS |
|------|-------|-----------------------------|---------------------|-----------------|----------|----------------------|----------|--|
| C/C | 372 | CHRYSOLANUS ENZO HORIZONTAL | HORIZONTAL CORDOLAN | *3, 12"X9" O.A. | SMALL | 48" MAX. HEIGHT | 30" O.C. | FULL & THICK |
| F/JI | 332 | GRASS MORCARRA | GREEN ISLAND FOCUS | *3, 12"X9" O.A. | SMALL | 48" MAX. HEIGHT | 24" O.C. | FULL & THICK |
| H/P | 98 | COMPACTA PATEVIS | DMRF / FRESHBUSH | *3, 24" O.A. | SMALL | 48" MAX. HEIGHT | 36" O.C. | FULL & THICK |
| MCA | 70 | SPERMATOPHYTES | MUDY GRASS | *3, 18" O.A. | SMALL | 48" MAX. HEIGHT | 30" O.C. | FULL & THICK |
| WCE | 100 | SPERMATOPHYTES | SPERMATOPHYTES | *3, 24" O.A. | SMALL | 48" MAX. HEIGHT | 30" O.C. | FULL & THICK |
| TFL | 439 | SPERMATOPHYTES | FL. CANNAS GRASS | *3, 24" O.A. | SMALL | 48" MAX. HEIGHT | 30" O.C. | FULL & THICK |
| FE | 47 * | PINUS ELIOTII/DEBISA | 50. FLA. SLASH PINE | 8-14" O.A. | LARGE | N/A | A.S. | FULL & THICK, STAGGERED HEIGHTS *45' - 8' (100' - 12' (110' - 14' |
| QV | 5 | QUERCUS VIRGINIANA | LIVE OAK | 20" C.F. | LARGE | N/A | A.S. | FULL & THICK, STAGGERED *45' - 8' (100' - 12' (110' - 14' |
| SP | 15 ** | SAGUO PALMETTO | CADABRE PALM | 12'-20' C.F. | LARGE | N/A | A.S. | FULL & THICK, STAGGERED *45' - 8' (100' - 12' (110' - 14' |

500-+2 PERFORMANCE TYPE 500 SHALL BE 15 AUGUSTINE.
ACCORDANCE WITH SPECIFICATIONS AND TYPICAL DETAIL #44 INCLUDING, BUT NOT LIMITED TO, COMPLETE INSTALLATION OF PLANT IN 1" LAYER OF 100%+2 FILL, 1" FINISH SOIL LAYER, UNSUITABLE SOIL REMOVAL, SPECIAL BED PREPARATION, STOMK, FERTILIZER, HAND WATERING, GUARANTEE AND MAINTENANCE DURING ESTABLISHMENT PERIOD. ALSO INCLUDES THE COST FOR TEMPORARY WATERING AND TREE PROTECTION PER TREE SHADU+2 EXISTING TREES DURING CONSTRUCTION. INCLUDES COST FOR A 1" LAYER OF BACKFILL W/THURE, TO BE APPLIED TO ALL NEW LANDSCAPE PLANTING AREAS.

[illegible]

| TREE NO. | COMMON NAME | BOTANICAL NAME | MARK | DIA (FT.) | SPREAD (FT.) | TO BE REMOVED | TO REMAIN | TO BE RELOCATED | STATION | OFFSET (FT.) | HEIGHT (FT.) | NOTES |
|---|-------------|----------------|------|-----------|--------------|---------------|-----------|-----------------|-----------|--------------|--------------|-------|
| STATIONS AND OFFSETS TAKEN FROM BASELINE OF SURVEY SH 7 | | | | | | | | | | | | |
| 50A | PALM | | | 0.8 | 10 | | | | 379+74.41 | 127.33 | 25 | |
| 51 | PALM | | | 1.0 | 10 | | | | 379+66.20 | 116.38 | 20 | |
| 52 | PALM | | | 1.0 | 10 | | | | 379+81.17 | 121.69 | 18 | |
| 53 | PALM | | | 1.0 | 10 | | | | 381+23.14 | 125.69 | 20 | |
| 54 | PALM | | | 1.4 | 10 | | | | 381+42.84 | 129.76 | 15 | |
| 55 | PALM | | | 1.0 | 10 | | | | 381+45.79 | 144.25 | 20 | |
| 56 | PALM | | | 1.0 | 10 | | | | 381+51.52 | 135.52 | 25 | |
| 57 | PALM | | | 1.0 | 10 | | | | 381+57.53 | 141.93 | 25 | |
| 58 | PALM | | | 1.0 | 10 | | | | 381+69.63 | 144.75 | 20 | |
| 59 | PALM | | | 1.0 | 10 | | | | 381+72.49 | 155.21 | 20 | |
| 60 | PALM | | | 1.4 | 10 | | | | 381+88.87 | 157.42 | 20 | |
| 61 | PALM | | | 1.4 | 10 | | | | 381+90.38 | 168.35 | 22 | |
| 62 | PALM | | | 1.6 | 10 | | | | 382+05.73 | 167.20 | 15 | |
| 63 | PALM | | | 1.0 | 10 | | | | 382+09.68 | 176.30 | 25 | |
| 64 | PALM | | | 0.6 | 8 | | | | 382+11.55 | 164.30 | 25 | |
| 65 | PALM | | | 1.6 | 10 | | | | 382+16.95 | 169.21 | 25 | |
| 65A | PALM | | | 1.0 | 10 | | | | 382+31.55 | 178.93 | 20 | |
| 66 | PALM | | | 1.0 | 10 | | | | 382+24.57 | 172.65 | 20 | |
| 66A | PALM | | | 0.8 | 15 | | | | 382+46.65 | 186.35 | 20 | |
| 67 | PALM | | | 1.0 | 10 | | | | 382+26.41 | 143.15 | 23 | |
| 68 | PALM | | | 1.6 | 10 | | | | 382+37.24 | 150.55 | 20 | |
| 69 | TREE | | | 0.6 | 13 | | | | 382+37.14 | 139.00 | 15 | |
| 70 | TREE | | | 1.0 | 10 | | | | 382+41.44 | 153.14 | 23 | |
| 71 | TREE | | | 1.2 | 10 | | | | 382+44.87 | 161.25 | 25 | |
| 72 | TREE | | | 0.4 | 12 | | | | 382+53.29 | 161.53 | 20 | |
| 73 | TREE | | | 0.4 | 5 | | | | 382+56.87 | 171.04 | 15 | |
| 74 | PALM | | | 1.0 | 10 | | | | 382+63.03 | 184.00 | 25 | |
| 75 | PALM | | | 1.4 | 10 | | | | 382+63.44 | 186.59 | 23 | |
| 76 | TREE | | | 0.4 | 8 | | | | 382+68.41 | 168.20 | 15 | |
| 77 | PALM | | | 1.4 | 10 | | | | 382+73.45 | 174.53 | 20 | |
| 78 | PALM | | | 1.4 | 10 | | | | 382+82.19 | 182.59 | 20 | |
| 79 | TREE | | | 0.4 | 10 | | | | 382+82.58 | 182.58 | 20 | |
| 80 | PALM | | | 1.6 | 10 | | | | 382+82.95 | 151.28 | 25 | |
| 81 | TREE | | | 1.0 | 10 | | | | 382+71.24 | 148.90 | 25 | |
| 82 | PALM | | | 1.0 | 10 | | | | 382+81.56 | 143.83 | 20 | |
| 83 | PALM | | | 1.2 | 10 | | | | 383+05.04 | 153.26 | 25 | |
| 84 | PALM | | | 1.0 | 10 | | | | 383+13.47 | 150.66 | 20 | |
| 85 | PALM | | | 1.0 | 8 | | | | 383+20.76 | 145.10 | 15 | |
| 86 | PALM | | | 1.0 | 10 | | | | 383+32.71 | 138.43 | 20 | |
| 86A | PALM | | | 1.0 | 10 | | | | 383+46.49 | 132.53 | 20 | |
| 87 | PALM | | | 0.3 | 4 | | | | 383+51.05 | 140.17 | 10 | |
| 88 | PALM | | | 0.3 | 4 | | | | 384+36.80 | 147.07 | 7 | |
| 89 | PALM | | | 0.3 | 4 | | | | 384+42.82 | 156.35 | 15 | |
| 90 | PALM | | | 0.3 | 5 | | | | 384+47.26 | 166.62 | 15 | |
| 91 | PALM | | | 0.3 | 7 | | | | 385+43.81 | 162.90 | 7 | |
| 92 | PALM | | | 0.3 | 4 | | | | 385+49.41 | 155.56 | 8 | |
| 93 | PALM | | | 0.3 | 5 | | | | 385+59.73 | 149.08 | 8 | |
| 94 | PALM | | | 0.3 | 5 | | | | 385+65.36 | 161.69 | 10 | |
| 95 | PALM | | | 0.3 | 5 | | | | 386+35.36 | 90.17 | 10 | |
| 96 | TREE | | | 0.2 | 6 | | | | 386+43.58 | 93.61 | 15 | |
| 97 | TREE | | | 0.4 | 8 | | | | 401+59.91 | 91.20 | 15 | |
| 98 | TREE | | | 0.4 | 8 | | | | | | | |


| DATE | BY | DESCRIPTION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION | DATE | BY | REVISION |
|------|----|-------------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|
|------|----|-------------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|------|----|----------|

| TREE NO. | COMMON NAME | BOTANICAL NAME | NATIVE | DIA (FT) | SPREAD (FT) | TO BE REMOVED | TO REMAIN | TO BE RELOCATED | STATION | OFFSET | HEIGHT (FT) | NOTES | |
|---|-----------------|-----------------------|--------|----------|-------------|---------------|-----------|-----------------|-----------|--------|-------------|---|--|
| | | | | | | | | | | | | | |
| STATIONS AND OFFSETS TAKEN FROM BASELINE OF SURVEY SR 7 | | | | | | | | | | | | | |
| 99 | TREE | | | 0.4 | 5 | | | | 40+11.2 | 03.7 | 15 | | |
| 100 | TREE | | 0.4 | | | | | | 38.79 | 38.79 | 18 | | |
| 101 | PALM | | 0.4 | 10 | | | | | 436+35.25 | 94.39 | 15 | | |
| 102 | PALM | | 1.0 | 10 | | | | | 436+53.01 | 121.08 | 15 | | |
| 103 | PALM | | 1.0 | 10 | | | | | 436+72.65 | 117.56 | 15 | | |
| 104 | PALM | | 1.0 | 10 | | | | | 437+40.55 | 113.35 | 15 | | |
| 105 | PALM | | 1.0 | 10 | | | | | 437+45.18 | 106.95 | 15 | | |
| 106 | PALM | | 1.0 | 10 | | | | | 437+61.66 | 105.26 | 15 | | |
| 107 | PALM | | 1.0 | 10 | | | | | 437+75.55 | 102.68 | 15 | | |
| 108 | PALM | | 1.0 | 10 | | | | | 446+11.23 | 120.38 | 18 | | |
| 109 | PALM | | 1.0 | 10 | | | | | 446+27.71 | 122.59 | 18 | | |
| 110 | PALM | | 1.0 | 10 | | | | | 446+20.17 | 122.59 | 18 | | |
| 111 | TREE | | 0.4 | 10 | | | | | 448+33.33 | 76.49 | 15 | | |
| 112 | TREE | | 0.4 | 10 | | | | | 448+91.41 | 73.93 | 15 | | |
| 113 | TREE | | 0.4 | 10 | | | | | 449+20.79 | 74.42 | 15 | | |
| 114 | TREE | | 0.4 | 10 | | | | | 449+51.23 | 74.32 | 15 | | |
| 115 | TREE | | 0.4 | 10 | | | | | 449+80.96 | 74.37 | 15 | | |
| 116 | TREE | | 0.6 | 4 | | | | | 449+95.92 | 93.97 | 6 | | |
| 117 | TREE | | 0.4 | 10 | | | | | 450+11.23 | 73.01 | 15 | | |
| 118 | TREE | | 0.4 | 10 | | | | | 450+69.13 | 73.01 | 15 | | |
| 119 | TREE | | 0.4 | 10 | | | | | 450+99.28 | 73.74 | 15 | | |
| 120 | TREE | | 0.6 | 12 | | | | | 451+27.71 | 74.33 | 20 | | |
| 121 | TREE | | 0.2 | 5 | | | | | 451+57.83 | 73.59 | 15 | | |
| 122 | TREE | | 0.4 | 10 | | | | | 451+87.24 | 73.71 | 15 | | |
| 123 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | | N/A | N/A | Y | | | N/A | N/A | N/A | PREVIOUSLY REMOVED | |
| 124 | N/A | | N/A | N/A | N/A | | | | N/A | N/A | N/A | | |
| 125 | N/A | | N/A | N/A | N/A | | | | N/A | N/A | N/A | | |
| 126 | N/A | | N/A | N/A | N/A | | | | N/A | N/A | N/A | | |
| 127 | N/A | | N/A | N/A | N/A | | | | N/A | N/A | N/A | | |
| 128 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | 0.4 | 8 | | Y | | | 394+79.95 | 19.84 | 12 | POOR SHAPE | |
| 129 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | 0.5 | 8 | | Y | | | 394+75.21 | 12.57 | 12 | POOR SHAPE | |
| 130 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | 0.5 | 8 | | Y | | | 394+58.95 | 20.26 | 12 | POOR SHAPE | |
| 131 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | 0.6 | 12 | | Y | | | 394+54.73 | 13.72 | 18 | POOR SHAPE | |
| 132 | PALM | | 0.6 | 12 | | | | | 394+50.81 | 20.39 | 18 | POOR SHAPE | |
| 133 | SILVER BUTTWOOD | CONOCARPUS ERECTUS | 0.6 | 8 | | | Y | | 393+43.98 | 16.32 | 10 | VEGETATION MANAGEMENT AREA CONFLICT | |
| 134 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | 0.9 | 10 | | Y | | | 410+11.23 | 19.34 | 15 | VEGETATION MANAGEMENT AREA CONFLICT | |
| 135 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | 0.9 | 15 | | Y | | | 410+11.23 | 19.3 | 15 | VEGETATION MANAGEMENT AREA CONFLICT | |
| 136 | LIVE OAK | QUERUS VIRGINIANA | Y | 0.4 | 15 | | Y | | 410+60 | 18.89 | 20 | VEGETATION MANAGEMENT AREA CONFLICT | |
| 137 | LIVE OAK | QUERUS VIRGINIANA | Y | 0.4 | 15 | | Y | | 410+69.57 | 16.72 | 10 | | |
| 138 | LIVE OAK | QUERUS VIRGINIANA | Y | 0.4 | 8 | | Y | | 409+61.97 | 17.02 | 10 | | |
| 139 | LIVE OAK | QUERUS VIRGINIANA | Y | 0.4 | 10 | | Y | | 409+15.17 | 16.26 | 8 | | |
| 140 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | Y | 0.4 | 10 | | Y | | 408+18.20 | 15.50 | 15 | POOR SHAPE | |
| 141 | GREEN BUTTWOOD | CONOCARPUS ERECTUS | Y | 2.0 | 6 | | Y | | 407+57.94 | 18.88 | 25 | PER REQUEST OF TOWN OF DAVIE - POOR SHAPE | |
| 142 | GREEN BUTTWOOD | CONOCARPUS ERECTUS | Y | 2.0 | 18 | | Y | | 400+11.23 | 17.92 | 12 | PER REQUEST OF TOWN OF DAVIE - POOR SHAPE | |
| 143 | GREEN BUTTWOOD | CONOCARPUS ERECTUS | Y | 1.5 | 10 | | Y | | 399+83.66 | 16.93 | 20 | PER REQUEST OF TOWN OF DAVIE - POOR SHAPE | |
| 144 | GREEN BUTTWOOD | CONOCARPUS ERECTUS | Y | 1.5 | 12 | | Y | | 399+29.55 | 17.30 | 15 | PER REQUEST OF TOWN OF DAVIE - POOR SHAPE | |
| 145 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | 1.0 | 15 | | Y | | | 399+18.22 | 18.27 | 25 | VEGETATION MANAGEMENT AREA CONFLICT | |
| 146 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | 1.0 | 15 | | Y | | | 390+11.67 | 13.44 | 25 | VEGETATION MANAGEMENT AREA CONFLICT | |
| 147 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | 1.0 | 15 | | Y | | | 389+99.24 | 14.09 | 25 | VEGETATION MANAGEMENT AREA CONFLICT | |
| 148 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | 1.0 | 15 | | Y | | | 388+82.33 | 19.59 | 25 | POOR SHAPE | |
| 149 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | 1.0 | 15 | | Y | | | 388+70.31 | 19.61 | 25 | POOR SHAPE | |

| | | | | | | | | | | | | | |
|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| STATE OF FLORIDA | | | | | | | | | | | | | |
| DEPARTMENT OF TRANSPORTATION | | | | | | | | | | | | | |
| PROJECT NO. 7 | | | | | | | | | | | | | |
| CONTRACT NO. 416876-1-52-01 | | | | | | | | | | | | | |
| SHEET NO. 10-8 | | | | | | | | | | | | | |
| TREE STATUS CHART | | | | | | | | | | | | | |

| TREE NO. | COMMON NAME | BOTANICAL NAME | NATIVE | DIA (FT) | SPREAD (FT) | TO BE REMOVED | TO REMAIN | TO BE RELOCATED | STATION | OFFSET | HEIGHT (FT) | NOTES |
|----------|----------------------|-------------------------|--------|----------|-------------|---------------|-----------|-----------------|-----------|--------|-------------|-------------------------------------|
| 150 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | Y | 1.0 | 15 | Y | | | 388+42.34 | 19.97 | 25 | POOR SHAPE |
| 151 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | Y | 1.0 | 15 | Y | | | 388+52.20 | 19.94 | 25 | |
| 152 | SILVER BUTTWOOD | CONCARPUS ERECTUS | Y | 0.9 | 12 | | Y | | 388+52.20 | 12.89 | 11 | |
| 153 | SILVER BUTTWOOD | CONCARPUS ERECTUS | Y | 0.9 | 12 | | Y | | 381+37.28 | 13.32 | 24 | VEGETATION MANAGEMENT AREA CONFLICT |
| 154 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | Y | 1.2 | 15 | | Y | | 381+41.43 | 18.74 | 24 | VEGETATION MANAGEMENT AREA CONFLICT |
| 155 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | Y | 1.1 | 10 | Y | | | 381+33.22 | 18.74 | 24 | VEGETATION MANAGEMENT AREA CONFLICT |
| 156 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | Y | 1.0 | 10 | Y | | | 380+48.57 | 12.05 | 18 | VEGETATION MANAGEMENT AREA CONFLICT |
| 157 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | Y | 1.2 | 15 | Y | | | 380+54.69 | 15.37 | 14 | VEGETATION MANAGEMENT AREA CONFLICT |
| 158 | QUEEN PALM | SYAGRUS ROMANZOFFIANA | Y | 0.6 | 9 | Y | | | 380+23.20 | 15.68 | 20 | VEGETATION MANAGEMENT AREA CONFLICT |
| 159 | LIVE OAK | QUERCUS VIRGINIANA | Y | 0.6 | 25 | Y | | | 379+88.80 | 12.83 | 15 | |
| 160 | LIVE OAK | QUERCUS VIRGINIANA | Y | 0.6 | 12 | Y | | | 378+82.42 | 4.51 | 26 | DAMAGED TRUNK, WITHIN SIGHTLINE |
| 161 | LIVE OAK | QUERCUS VIRGINIANA | Y | 0.8 | 12 | Y | | | 377+12.14 | -4.50 | 29 | |
| 162 | SABAL PALMETTO | CABBAGE PALM | Y | 1.6 | 12 | Y | | | 377+11.34 | -5.59 | 26 | |
| 163 | SABAL PALMETTO | CABBAGE PALM | Y | 1.5 | 13 | Y | | | 376+45.83 | -9.46 | 11 | VEGETATION MANAGEMENT AREA CONFLICT |
| 164 | SABAL PALMETTO | CABBAGE PALM | Y | 0.4 | 8 | Y | | | 376+33.53 | -9.90 | 7 | VEGETATION MANAGEMENT AREA CONFLICT |
| 165 | BRAZILIAN BEAUTYLEAF | CALOPHYLLUM BRASILIENSE | Y | 0.6 | 5 | Y | | | 375+33.53 | -11.95 | 9 | VEGETATION MANAGEMENT AREA CONFLICT |
| 166 | BRAZILIAN BEAUTYLEAF | CALOPHYLLUM BRASILIENSE | Y | 0.4 | 4 | Y | | | 374+45.02 | -8.36 | 5 | VEGETATION MANAGEMENT AREA CONFLICT |
| 167 | ORCHID TREE | BAUHINIA PURPUREA | Y | 0.2 | 5 | Y | | | 374+37.98 | -19.01 | 14 | VEGETATION MANAGEMENT AREA CONFLICT |
| 168 | ORCHID TREE | BAUHINIA PURPUREA | Y | N/A | N/A | Y | | | 373+14.60 | -13.16 | 10 | VEGETATION MANAGEMENT AREA CONFLICT |
| 169 | BRAZILIAN BEAUTYLEAF | CALOPHYLLUM BRASILIENSE | Y | 0.4 | 5 | Y | | | 372+72.94 | -19.10 | 28 | SIGHTLINE CONFLICT |
| 170 | SABAL PALMETTO | CABBAGE PALM | Y | 1.0 | 15 | Y | | | 372+52.48 | -18.48 | 27 | SIGHTLINE CONFLICT |
| 171 | SABAL PALMETTO | CABBAGE PALM | Y | 1.0 | 15 | Y | | | 372+31.97 | -17.84 | 25 | SIGHTLINE CONFLICT |
| 172 | SABAL PALMETTO | CABBAGE PALM | Y | 1.0 | 15 | Y | | | 372+31.97 | -17.84 | 25 | SIGHTLINE CONFLICT |
| 173 | SABAL PALMETTO | CABBAGE PALM | Y | 1.0 | 15 | Y | | | 372+31.97 | -17.84 | 25 | SIGHTLINE CONFLICT |
| 174 | PALM | | Y | 2.0 | 18 | | | | 372+44.85 | -88.22 | 30 | |
| 175 | PALM | | Y | 2.0 | 18 | | | | 372+44.85 | -88.22 | 30 | |
| 176 | PALM | | Y | 2.0 | 18 | | | | 371+77.55 | -88.55 | 30 | |
| 177 | PALM | | Y | 2.0 | 18 | | | | 371+40.22 | -88.51 | 31 | |
| 178 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 179 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 180 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 181 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 182 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 183 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 184 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 185 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 186 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 187 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 188 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 189 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 190 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 191 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 192 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 193 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 194 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 195 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 196 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 197 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 198 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |
| 199 | PALM | | Y | 2.0 | 17 | | | | 371+40.22 | -88.51 | 31 | |

NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60D-104.1, F.A.C.

| | | | | | | | | | | | | | |
|--|--|------|--|----|--|----------|--|------|--|----|--|--|--|
| DATE | | TIME | | BY | | REVISION | | DATE | | BY | | REVISION | |
|  GENTLE HOLLOWAY O'MAHONEY LANDSCAPE ARCHITECTS, P.A. 1001 COLUMBIA BLVD., SUITE 100, TAMPA, FL 33604-1001 TEL: 813.241.1111 FAX: 813.241.1112 WWW.GHOLLOMAHONEY.COM | | | | | | | | | | | | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD PROJECT 416876-1-52-01 SHEET NO. LD-9 | |

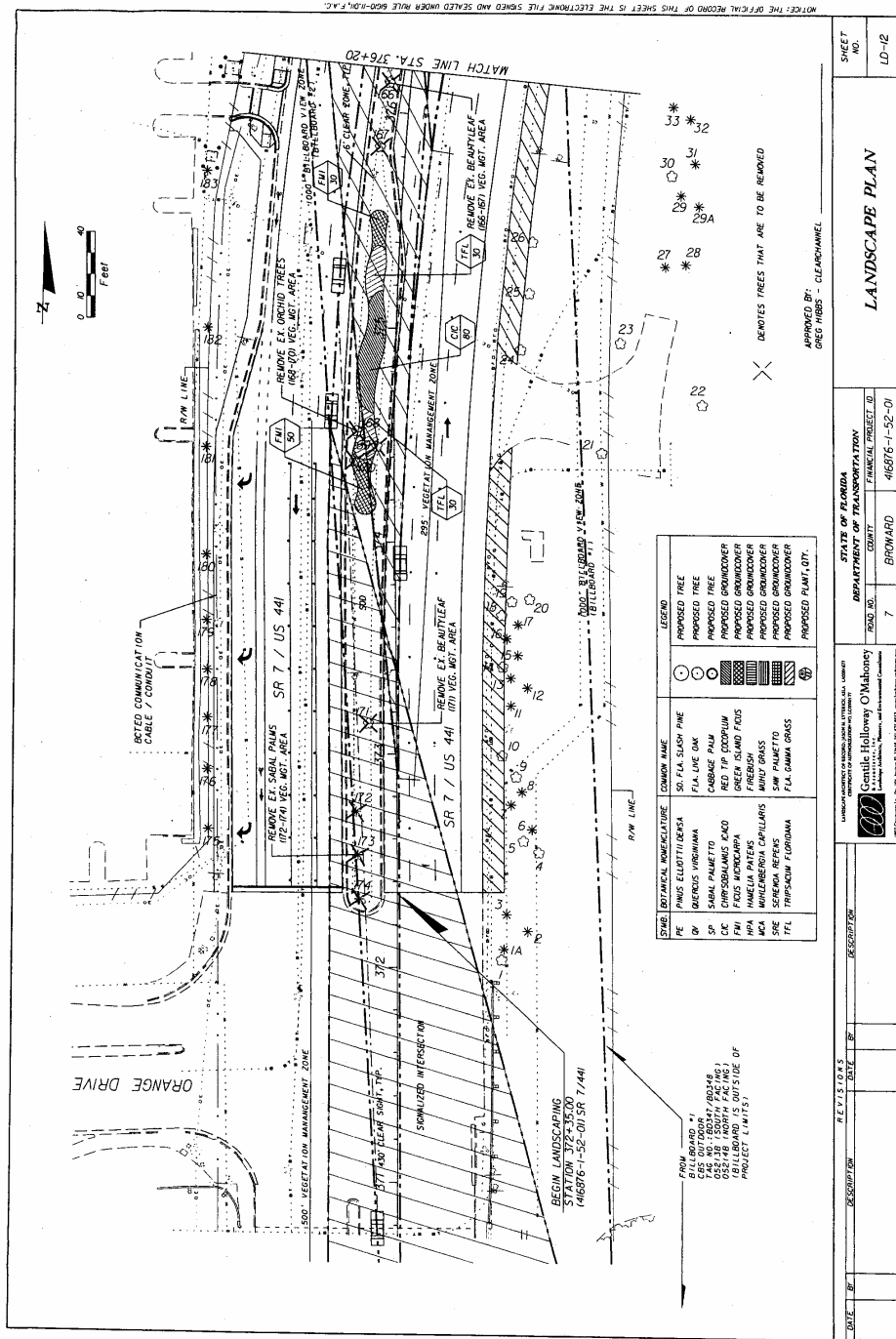
[illegible]

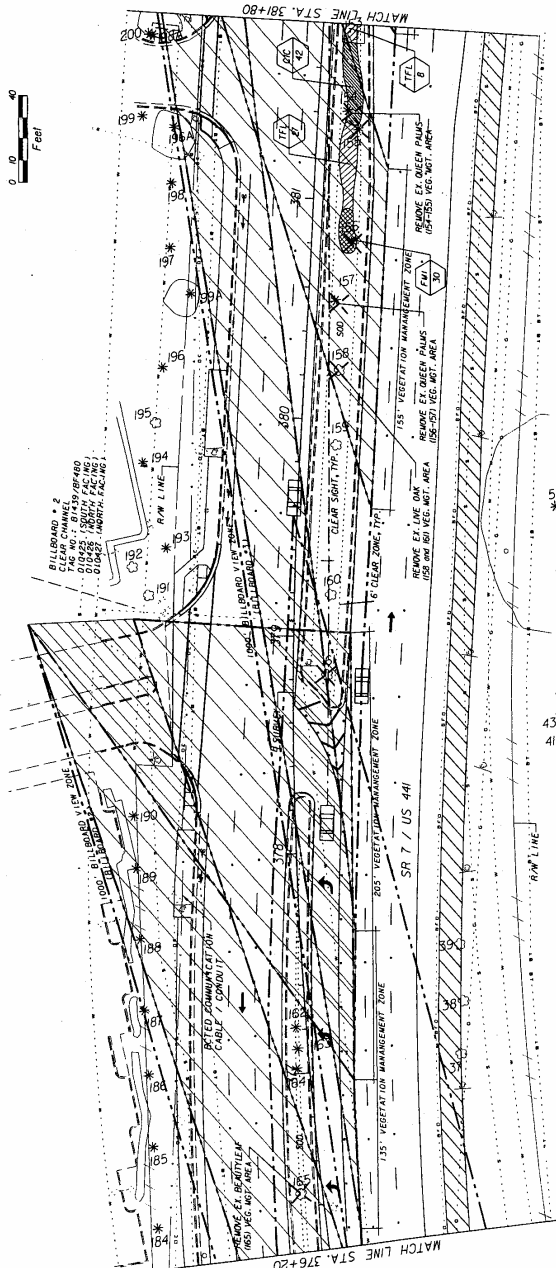
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 63(a)(2), F.A.C.

| TREE NO. | COMMON NAME | BOTANICAL NAME | MATURE | DIA (FT) | SPREAD (FT) | TO BE REMOVED | TO REMAIN | TO BE RELOCATED | STATION | OFFSET | HEIGHT (FT) | NOTES |
|----------|----------------|----------------------|--------|----------|-------------|---------------|-----------|-----------------|------------|--------|-------------|---|
| 238A | QUEEN PALM | STAGNUS ROMANOFFIANA | Y | 0.4 | 5 | Y | Y | Y | 397+13.88 | 13.71 | 10 | POOR SHAPE |
| 239A | QUEEN PALM | STAGNUS ROMANOFFIANA | Y | 0.8 | 10 | Y | Y | Y | 397+13.88 | 18.32 | 15 | POOR SHAPE |
| 240A | LIVE OAK | QUERCUS VIRGINIANA | Y | 0.6 | 15 | Y | Y | Y | 397+31.20 | 18.35 | 18 | |
| 241A | LIVE OAK | QUERCUS VIRGINIANA | Y | 0.6 | 15 | Y | Y | Y | 397+50.44 | 17.07 | 18 | |
| 242A | LIVE OAK | QUERCUS VIRGINIANA | Y | 0.6 | 15 | Y | Y | Y | 397+67.93 | 16.50 | 18 | |
| 243A | LIVE OAK | QUERCUS VIRGINIANA | Y | 0.6 | 15 | Y | Y | Y | 397+85.55 | 17.38 | 18 | |
| 244A | SILVER CHERRY | PRUNUS ERECTUS | Y | 0.6 | 5 | Y | Y | Y | 397+109.91 | 15.90 | 8 | POOR SHAPE. REMOVE PER REQUEST OF TOWN OF DAVIE |
| 245A | LIVE OAK | QUERCUS VIRGINIANA | Y | 0.6 | 5 | Y | Y | Y | 397+131.32 | 18.32 | 20 | POOR SHAPE. REMOVE PER REQUEST OF TOWN OF DAVIE |
| 246A | LIVE OAK | QUERCUS VIRGINIANA | Y | 0.8 | 15 | Y | Y | Y | 397+170.98 | 16.33 | 20 | POOR SHAPE. REMOVE PER REQUEST OF TOWN OF DAVIE |
| 247A | LIVE OAK | QUERCUS VIRGINIANA | Y | 0.8 | 15 | Y | Y | Y | 397+194.56 | 20.73 | 10 | POOR SHAPE |
| 248A | QUEEN PALM | STAGNUS ROMANOFFIANA | Y | 0.6 | 5 | Y | Y | Y | 397+198.01 | 12.81 | 8 | POOR SHAPE |
| 249A | QUEEN PALM | STAGNUS ROMANOFFIANA | Y | 0.6 | 5 | Y | Y | Y | 400+00.93 | 20.50 | 10 | POOR SHAPE |
| 250A | QUEEN PALM | STAGNUS ROMANOFFIANA | Y | 0.6 | 5 | Y | Y | Y | 400+09.16 | 20.40 | 10 | POOR SHAPE |
| 251A | QUEEN PALM | STAGNUS ROMANOFFIANA | Y | 0.6 | 5 | Y | Y | Y | 400+40.77 | 12.66 | 8 | POOR SHAPE |
| 252A | QUEEN PALM | STAGNUS ROMANOFFIANA | Y | 0.6 | 5 | Y | Y | Y | 400+51.32 | 15.90 | 10 | POOR SHAPE |
| 253A | QUEEN PALM | STAGNUS ROMANOFFIANA | Y | 0.4 | 10 | Y | Y | Y | 400+76.40 | 12.86 | 10 | POOR SHAPE |
| 254A | QUEEN PALM | STAGNUS ROMANOFFIANA | Y | 0.6 | 10 | Y | Y | Y | 400+21.80 | 12.79 | 8 | POOR SHAPE |
| 255A | QUEEN PALM | STAGNUS ROMANOFFIANA | Y | 0.6 | 10 | Y | Y | Y | 405+52.77 | 11.70 | 15 | |
| 256A | SABAL PALMETTO | CABBAGE PALM | Y | 2.5 | 15 | | | | | | | |

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| | | | | | | | | | | | | | |
|---|--|----------|--|-------------------------------|--|------|--|--------------------|--|----------|--|-------------|--|
| DATE | | REVISION | | DESCRIPTION | | DATE | | BY | | REVISION | | DESCRIPTION | |
| | | | | | | | | | | | | | |
| <div> <div> </div> <div> Gentle Holloway O'Mahoney Professional Engineers, Surveyors, and Environmental Consultants 1000 Corporate Center, Suite 100, Fort Lauderdale, FL 33304 (954) 571-1111 </div> </div> | | | | | | | | | | | | | |
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | | PROJECT NO. 416876-1-52-01 | | | | SHEET NO. LD-II | | | | | |
| ROAD NO. 7 | | | | COWIT BROWARD | | | | DATE 08/03/2008 | | | | | |





• DENOTES TREES THAT ARE TO BE REMOVED

•
DENOTES TREES THAT ARE TO BE REMOVED

APPROVED BY:
GREG HIBBS - CLEARCHANNEL

| STATE | INDUSTRY | COMMODITY | LEAFLET |
|-------|-----------------|-------------------|-----------------|
| AL | PINE | SOL. SLASH PINE | PROPOSED TREE |
| AR | FLUORIDE | FLU. LIME | PROPOSED FERT. |
| CA | WINE | CABERGE PALM | PROPOSED GROWER |
| DC | SALT | RED TIE ODOMUM | PROPOSED GROWER |
| FL | CHRISTMAS TREES | GREEN ISLAND FADS | PROPOSED GROWER |
| GA | FRUIT | FRUITBUSH | PROPOSED GROWER |
| IA | WHEAT | WHEAT | PROPOSED GROWER |
| IL | WHEAT | WHEAT | PROPOSED GROWER |
| IN | WHEAT | WHEAT | PROPOSED GROWER |
| MD | WHEAT | WHEAT | PROPOSED GROWER |
| MI | WHEAT | WHEAT | PROPOSED GROWER |
| MO | WHEAT | WHEAT | PROPOSED GROWER |
| NE | WHEAT | WHEAT | PROPOSED GROWER |
| NH | WHEAT | WHEAT | PROPOSED GROWER |
| NY | WHEAT | WHEAT | PROPOSED GROWER |
| OH | WHEAT | WHEAT | PROPOSED GROWER |
| OK | WHEAT | WHEAT | PROPOSED GROWER |
| OR | WHEAT | WHEAT | PROPOSED GROWER |
| PA | WHEAT | WHEAT | PROPOSED GROWER |
| RI | WHEAT | WHEAT | PROPOSED GROWER |
| SC | WHEAT | WHEAT | PROPOSED GROWER |
| SD | WHEAT | WHEAT | PROPOSED GROWER |
| TN | WHEAT | WHEAT | PROPOSED GROWER |
| TX | WHEAT | WHEAT | PROPOSED GROWER |
| VA | WHEAT | WHEAT | PROPOSED GROWER |
| VT | WHEAT | WHEAT | PROPOSED GROWER |
| WA | WHEAT | WHEAT | PROPOSED GROWER |
| WI | WHEAT | WHEAT | PROPOSED GROWER |
| WY | WHEAT | WHEAT | PROPOSED GROWER |

| | | | | | | | | | | | | |
|-----------|----|-------------|------|----|--|--|--|---------------|-------------------|--|----------------|--------------------|
| REVISIONS | | | | | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | LANDSCAPE ARCHITECT OF RECORD FROM A LICENSED LANDSCAPE ARCHITECT LANDSCAPE ARCHITECT OF RECORD FOR THE PROJECT Gentle Holloway O'Mahoney A Licensed Landscape Architect 1100 Gulf Blvd., Suite 1000 Tampa, FL 33602-1000 (813) 939-3000 | ROAD NO. 7 | COUNTY BROWARD | FINANCIAL PROJECT ID 416876-1-52-01 | LANDSCAPE PLAN | SHEET NO. LD-13 |
| DATE | BY | DESCRIPTION | DATE | BY | | | | | | | | |

LANDSCAPE PLAN

STATES OF FLORIDA


Landscape Architect of Record: JASON M. LITVINOW, AIA, Landscape
Architect (CERTIFICATE OF APPROVAL NUMBER 000697)

Gentile Holloway O'Mahoney

[illegible]

| DATE | BY | DESCRIPTION |
|------|----|-------------|
|------|----|-------------|

| DEPARTMENT OF TRANSPORTATION | | |
|------------------------------|--------|----------------------|
| ROAD NO. | COUNTY | FINANCIAL PROJECT ID |
| 7 | DEWANE | 410270 LF 01 |



Gentle Holloway O'Mahoney
Associates, Inc.
 Landscape Architects, Planners, and Environmental Consultants

10

71-37

1001

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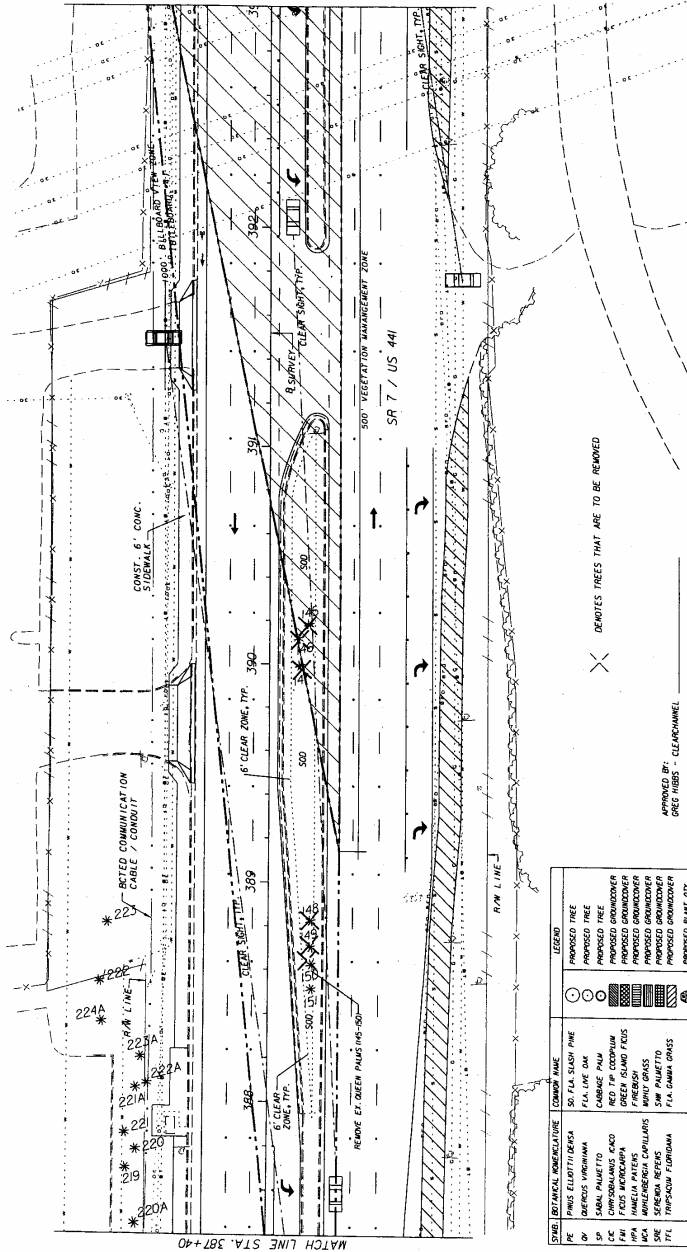
| | | |
|---|---------|----------------|
| 1 | BROWARD | 416876-1-52-01 |
|---|---------|----------------|

1007 Commerce Ln., Ste. 100, Japan, IL 60434 646-575-9637 www.birds.org/submit


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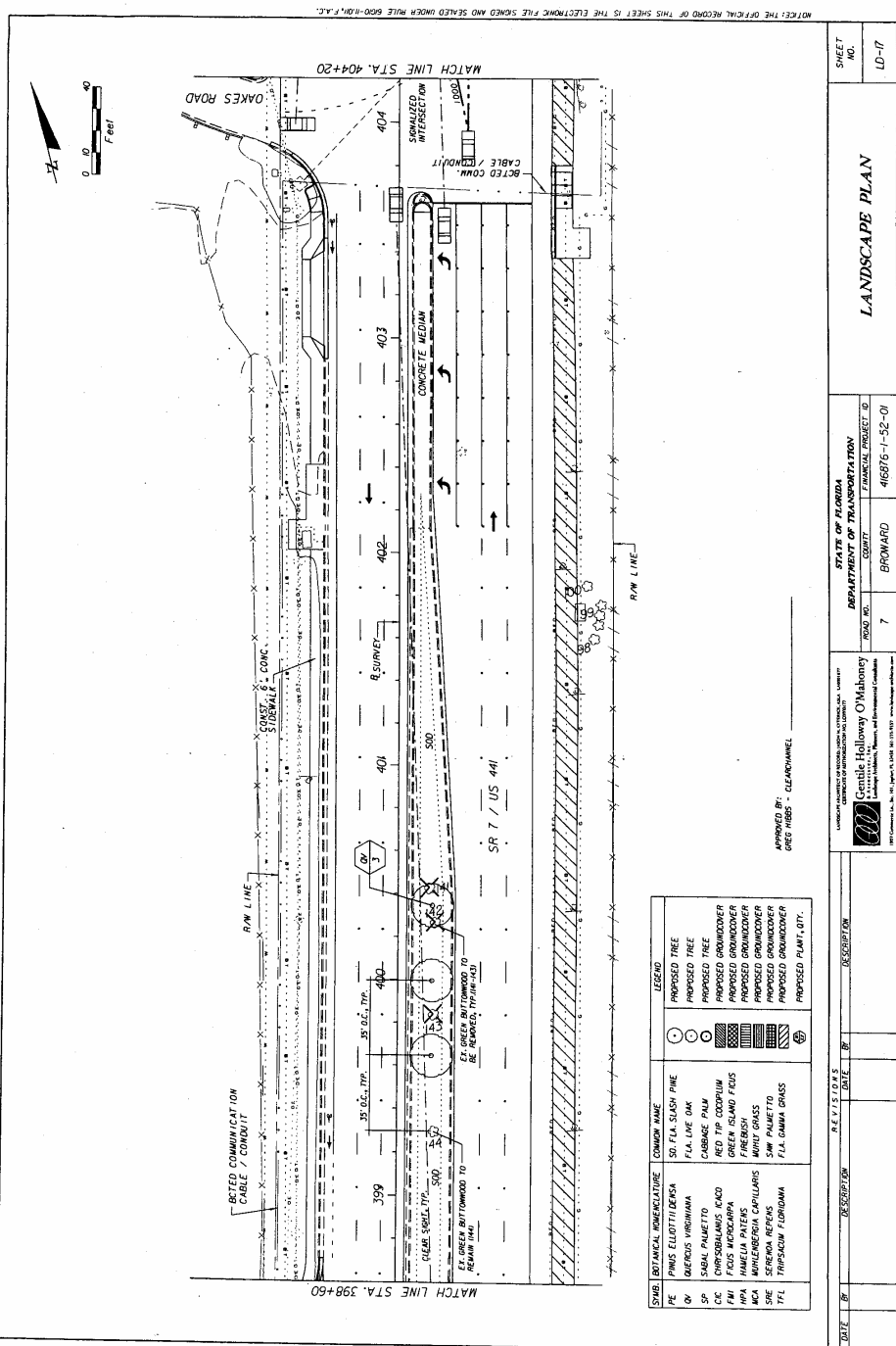
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|---------|-----|------------|---|
| 2014-13 | FIN | 11/25/2008 | 11-2-006-0000-06-0006 SR ? BROWNS COUNTY LANDS&P PLANT002.dwg |
|---------|-----|------------|---|



| SYMBOL | Botanical Nomenclature | Soil | Soil Salinity Range | Symbol | Legend |
|--------|-----------------------------|------|---------------------|--------|----------------|
| SP | <i>Pinus elliptica</i> DRYA | SP | LOW SALINITY | ○ | PROPOSED PINE |
| OP | <i>Quercus laurifolia</i> | OP | LOW SALINITY | ○ | PROPOSED PINE |
| SP | <i>Sabal palmetto</i> | SP | CARBONATE PALM | ○ | PROPOSED PALM |
| SP | <i>Chorizanthe racemosa</i> | SP | RED TIE COODIUM | ○ | PROPOSED GRASS |
| FAH | <i>Ficus microcarpa</i> | FAH | GREEN TIE PALM | ○ | PROPOSED GRASS |
| FAH | <i>Chorizanthe racemosa</i> | FAH | RED TIE PALM | ○ | PROPOSED GRASS |
| FAH | <i>Chorizanthe racemosa</i> | FAH | RED TIE PALM | ○ | PROPOSED GRASS |
| SNE | <i>Senecio nemoralis</i> | SNE | SWAMP PALMETTO | ○ | PROPOSED GRASS |
| WFL | <i>Trapa angustifolia</i> | WFL | FLA. GAMMA GRASS | ○ | PROPOSED PALM |

| REVISIONS | | DESCRIPTION | | DATE | | BY | | DESCRIPTION | |
|--|----|-------------|------|------|-------------|------|----|-------------|------|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | DATE |
| <div style="display: flex; justify-content: space-between;"> <div> <p>LANDSCAPE ARCHITECT OF RECORD AND ARCHITECT, AIA - LICENSED</p> <p>CERTIFICATE OF PROFESSIONAL DESIGNER</p> <p>Gentle Hollow O'Mahoney</p>  <p>Landscaping Architects, Planners, and Environmental Consultants</p> <p>1800 Commerce St., 2nd Fl., Suite 201, Dallas, TX 75201-2801 www.gentle-hollow.com</p> </div> <div> <p>STATE OF FLORIDA</p> <p>DEPARTMENT OF TRANSPORTATION</p> <p>ROAD NO.: 7 COUNTY: BROWARD FINANCIAL PROJECT ID: 46876-1-52-01</p> </div> </div> | | | | | | | | | |
| <p>LANDSCAPE PLAN</p> | | | | | | | | | |

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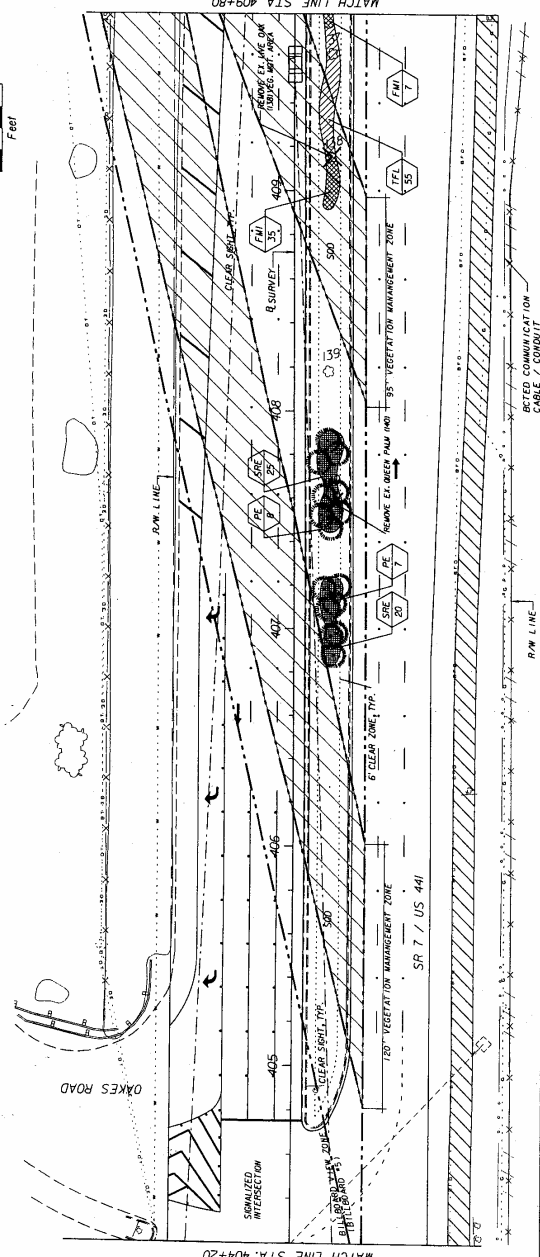


| SYMB | BOTANICAL NOMENCLATURE | COMMON NAME | LEGEND |
|------|-----------------------------|----------------------|----------------------|
| PT | Pinus Elliottii (L.) B.S.P. | SO. FLA. SLASH PINE | PROPOSED TREE |
| Q | Quercus virginiana | F.L.A. LIVE OAK | PROPOSED TREE |
| SP | Sabal palmetto | CABBAGE PALM | PROPOSED TREE |
| PA | Palmetto | RED T. PALMETTO | PROPOSED TREE |
| FM | Ficus merrilliana | RED T. PALMETTO | PROPOSED TREE |
| HA | Hamelia patens | FLORIDA BURNING BUSH | PROPOSED TREE |
| MC | Mimulus lewisii | FLORIDA BURNING BUSH | PROPOSED TREE |
| SR | Sesuvium portulacastrum | PORTULACA | PROPOSED TREE |
| FL | Flourensia corymbosa | FLORIDA BURNING BUSH | PROPOSED TREE |
| GR | Grass | GRASS | PROPOSED PLANT, QTY. |

| | | | | | | | | | |
|------|--|-------------|--|-----------|--|------|--|-------------|--|
| DATE | | DESCRIPTION | | REVISIONS | | DATE | | DESCRIPTION | |
| | | | | | | | | | |

| | | | |
|---------------------------------|--|------------------------------|--|
| STATE OF FLORIDA | | DEPARTMENT OF TRANSPORTATION | |
| PROJECT NO. 46876-1-52-01 | | SHEET NO. LD-17 | |
| ROAD NO. 7 | | COUNTY BROWARD | |
| PROJECT LOCATION: 46876-1-52-01 | | PROJECT NO. 46876-1-52-01 | |

| | |
|-------------------------------------|--|
| DESIGNED BY: GREG HIBBS - GLENNMANN | |
| APPROVED BY: GREG HIBBS - GLENNMANN | |




1. TREE

APPROVED BY:
GREG HIBBS - CLEARCHANNEL

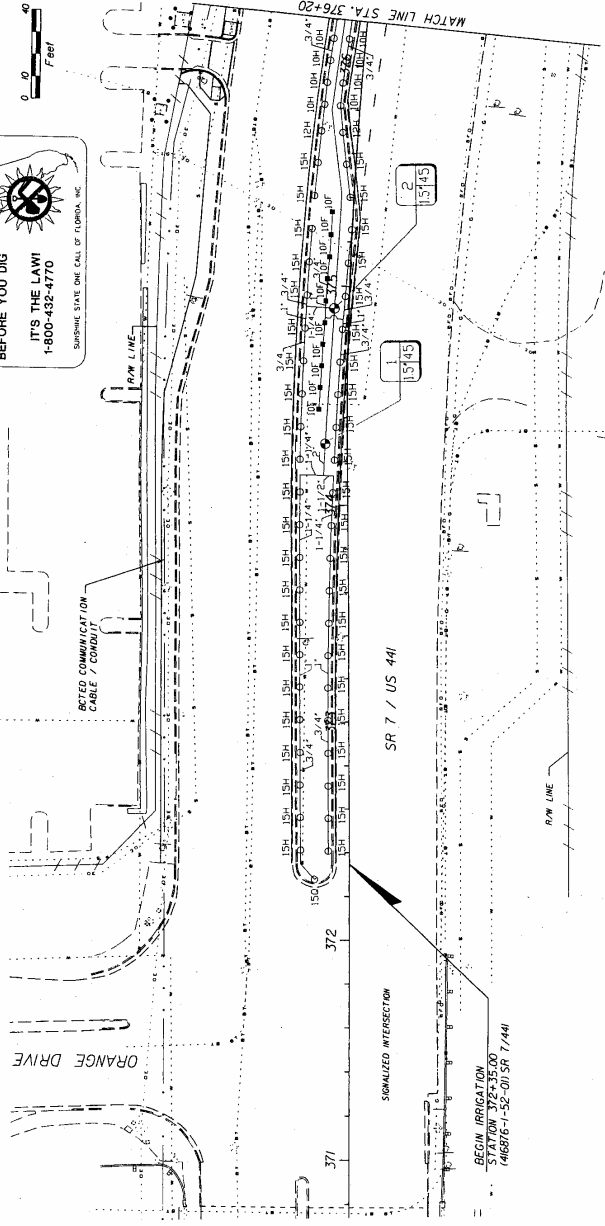
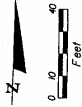
| SP. | GENUS | BOTANICAL ABBREVIATION | COMMON NAME | COMPAR. PLANT | LEAF | PROPAG. TREE |
|-----|-------------|------------------------|------------------|---------------|------|------------------------|
| SW | PRUNUS | INDICATA | INDIAN PLUM | | | PROPAGATED TREE |
| SW | QUERCUS | VIRGINICA | WHITE OAK | | | PROPAGATED TREE |
| SP | SABAL | PALETTA | CADDOG PALM | | | PROPAGATED BROWDBEER |
| SW | CHRYSOMELAS | EXCO | RED T. COQUIN | | | PROPAGATED BROWDBEER |
| FW | FICUS | MICROCARPA | RED ISLAND FICUS | | | PROPAGATED BROWDBEER |
| FW | HEMELIA | SPERMATOPHYTES | FLORIDIAN | | | PROPAGATED BROWDBEER |
| FW | AMERICA | CAVILLIUS | SW. PALMETTO | | | PROPAGATED BROWDBEER |
| FW | SEMPER | PERFERS | SW. PALMETTO | | | PROPAGATED BROWDBEER |
| FW | FLA | SAMMA GRASS | FLA. SAMMA GRASS | | | PROPAGATED PLANT, QTT. |

| REVISIONS | | DESCRIPTION | | DATE | | BY | | DESCRIPTION | |
|-----------|--|-------------|--|------|--|----|--|-------------|--|
| | | | | | | | | | |

| | | | | | |
|--|--|--|--|--|--|
| LANDSCAPE ARCHITECTURE OF PROFESSIONAL SERVICE, LICENSE NO. 14888701 COMPANY OF PROFESSIONALS INC. (LICENSEE) | | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | COUNTY: FLORIDA PROJECT ID: 46876-1-52-01 | |
|  Gentle Holloway O'Mahoney Landscape Architects, P.A. "Design and Environmental Consultants" | | ROAD NO: 7 BROWARD | | SHEET NO. LD-18 | |
| 1950 Commerce St., Ste. 101, Jupiter, FL 33457-1001 www.gentleholloay.com | | | | | |

LANDSCAPE PLAN

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RAINBIRD NOZZLE LEGEND

| | |
|-----|------------------|
| 15H | 185 GPM @ 30 PSI |
| 15T | 123 GPM @ 30 PSI |
| 15D | 93 GPM @ 30 PSI |
| 12H | 130 GPM @ 30 PSI |
| 10F | 157 GPM @ 30 PSI |
| 10H | 79 GPM @ 30 PSI |
| 10Q | 39 GPM @ 30 PSI |
| 8H | 52 GPM @ 30 PSI |
| 8Q | 26 GPM @ 30 PSI |

PIPE SIZING LEGEND

| PIPE SIZE | GPM |
|-----------|-------|
| 3/4" | 0-10 |
| 1" | 11-16 |
| 1 1/4" | 17-25 |
| 1 1/2" | 26-35 |
| 2" | 36-55 |

Irrigation Heads

| S. Head | Description |
|---------|--|
| • | RAINBIRD Bubblers Model 1300A-F |
| • | RAINBIRD 1804-PRS Series with Nozzle |
| • | RAINBIRD 1812-PRS Series with Nozzle |
| • | RAINBIRD P-8S Sprinkler Adapter on PVC Riser |

| | | | | | | | | | |
|--|--|-------------|--|---------|--|------|--|-------------|--|
| DATE | | DESCRIPTION | | REVISED | | DATE | | DESCRIPTION | |
| | | | | | | | | | |
| <p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT # 46876-1-52-01 COUNTY 7 BRWARD</p> | | | | | | | | | |
| <p>PROJECT: GENTILE HOLLOWS O'MALONEY DESIGNED BY: [Signature] CHECKED BY: [Signature] DATE: 10/1/01</p> | | | | | | | | | |
| <p>PROJECT NO. 46876-1-52-01 SHEET NO. LD-21</p> | | | | | | | | | |

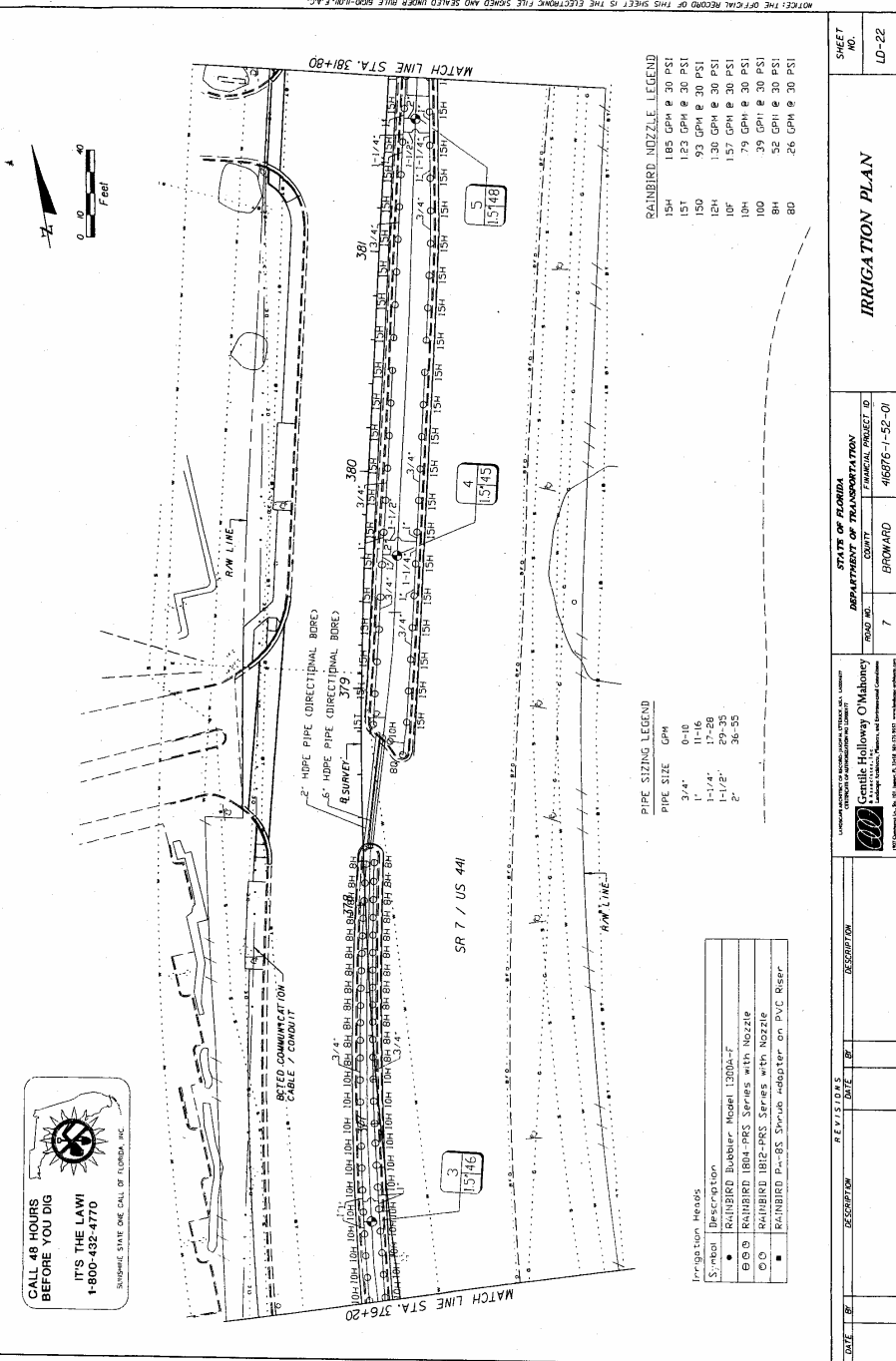
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| DATE | BY | DESCRIPTION | REVISIONS | DATE | BY | DESCRIPTION |
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| | | | | | | |

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| | | | | | |
|------------------|--|------------------------------|--|-----------|--|
| STATE OF FLORIDA | | DEPARTMENT OF TRANSPORTATION | | SHEET NO. | |
| COUNTY | | TOWNSHIP | | LD-22 | |
| ROAD NO. | | PROJECT NO. | | | |
| 7 | | 46876-1-52-01 | | | |
| BROWARD | | IRIGATION PLAN | | | |


LAMBERT ASSOCIATES, INC. ENGINEERS AND ARCHITECTS, P.A. LAMBERT
 1400 N.W. 11th Avenue, Suite 200, Fort Lauderdale, FL 33304
 (954) 561-1111 FAX (954) 561-1112

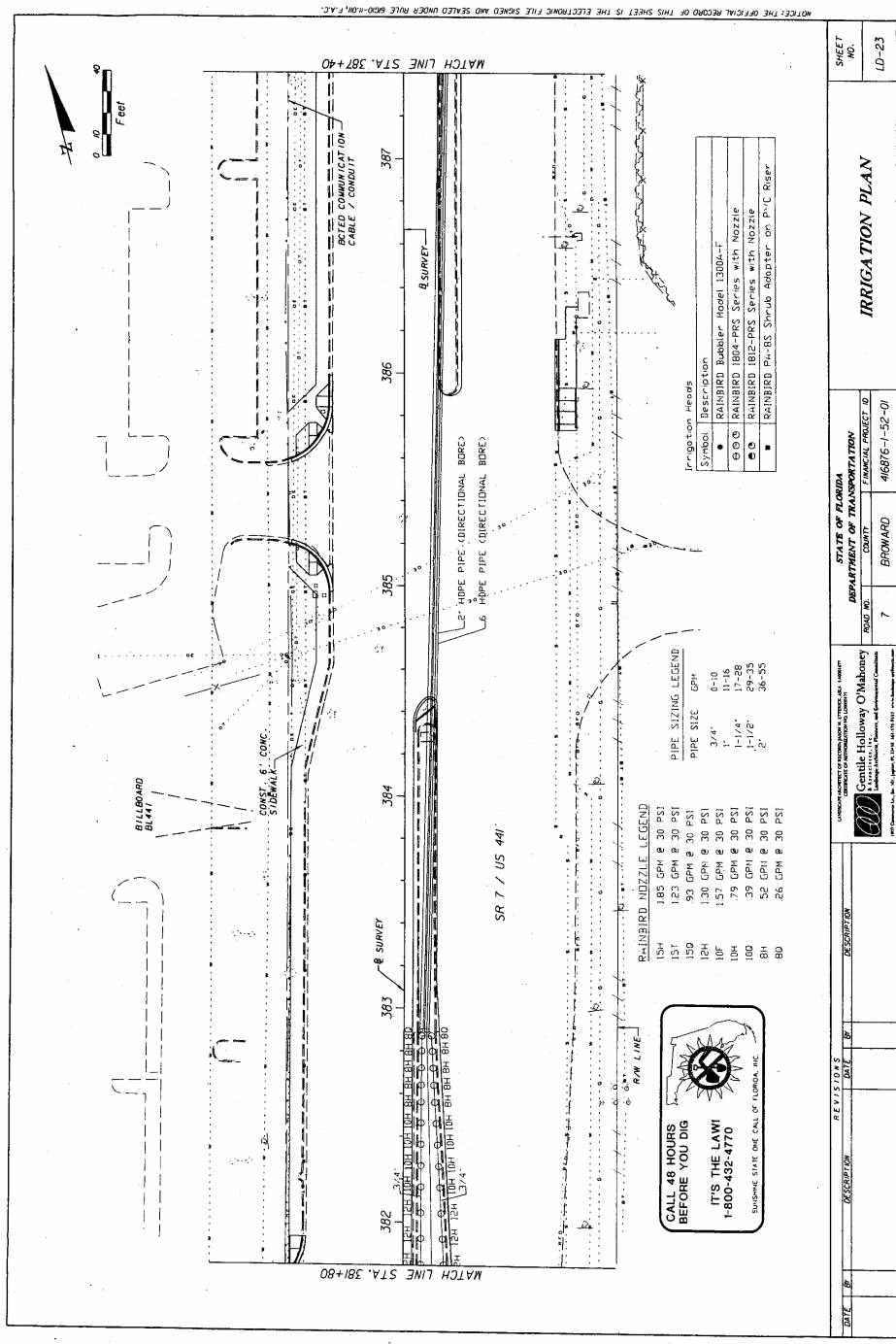


| Symbol | Description |
|--------|--|
| ● | RAINBIRD Bubbler Model 1300A-F |
| ⊙ | RAINBIRD 1804-PRS Series with Nozzle |
| ⊙ | RAINBIRD 1812-PRS Series with Nozzle |
| ■ | RAINBIRD PA-85 Sprinkler Adapter on PVC Piping |

| PIPE SIZING LEGEND | |
|--------------------|-------|
| PIPE SIZE | GPM |
| 3/4" | 0-10 |
| 1" | 11-16 |
| 1-1/4" | 17-28 |
| 1-1/2" | 29-35 |
| 2" | 36-55 |

| RAINBIRD NOZZLE LEGEND | |
|------------------------|------------------|
| 15H | 185 GPM @ 30 PSI |
| 15I | 123 GPM @ 30 PSI |
| 15O | 93 GPM @ 30 PSI |
| 12H | 130 GPM @ 30 PSI |
| 12I | 157 GPM @ 30 PSI |
| 10H | 79 GPM @ 30 PSI |
| 10O | 39 GPM @ 30 PSI |
| 8H | 42 GPM @ 30 PSI |
| 8O | 26 GPM @ 30 PSI |

| | | | | | | | | | | | |
|------|--|--|--|----|-----------|--|-------------|--|---|---|--------------------|
| DATE | | | | BY | REVISIONS | | DESCRIPTION | | <div>LUDWIG ARCHITECTS & ENGINEERS, INC., LICENSED 10000 N. W. 22nd Avenue, Suite 200, Fort Lauderdale, FL 33311 (954) 561-1234 www.ludwigarchitects.com</div> <div></div> <div>Gentle Holloway O'Mahoney Professional Engineer License No. 10,000, State of FL, Exp. 12/31/2025</div> | <div>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</div> <div>ROAD NO. 7</div> <div>COUNTY BROWARD</div> <div>PROJECT ID 416076-1-52-01</div> | SHEET NO. LD-22 |
| DATE | | | | BY | REVISIONS | | DESCRIPTION | | | | |
| DATE | | | | BY | REVISIONS | | DESCRIPTION | | | | |



IRrigation Heads

| Symbol | Description |
|--------|---|
| ● | RAINBIRD Bubbler Model 1300A-F |
| ⊙ | RAINBIRD 1804-PRS Series with Nozzle |
| ⊙ | RAINBIRD 1802-PRS Series with Nozzle |
| ■ | RAINBIRD PH-65 Sprinkler Adapter on PVC Riser |

PIPE SIZING LEGEND

| PIPE SIZE | GPM |
|-----------|-------|
| 3/4" | 6-10 |
| 1-1/4" | 17-28 |
| 1-1/2" | 29-35 |
| 2" | 36-55 |

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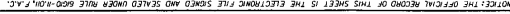
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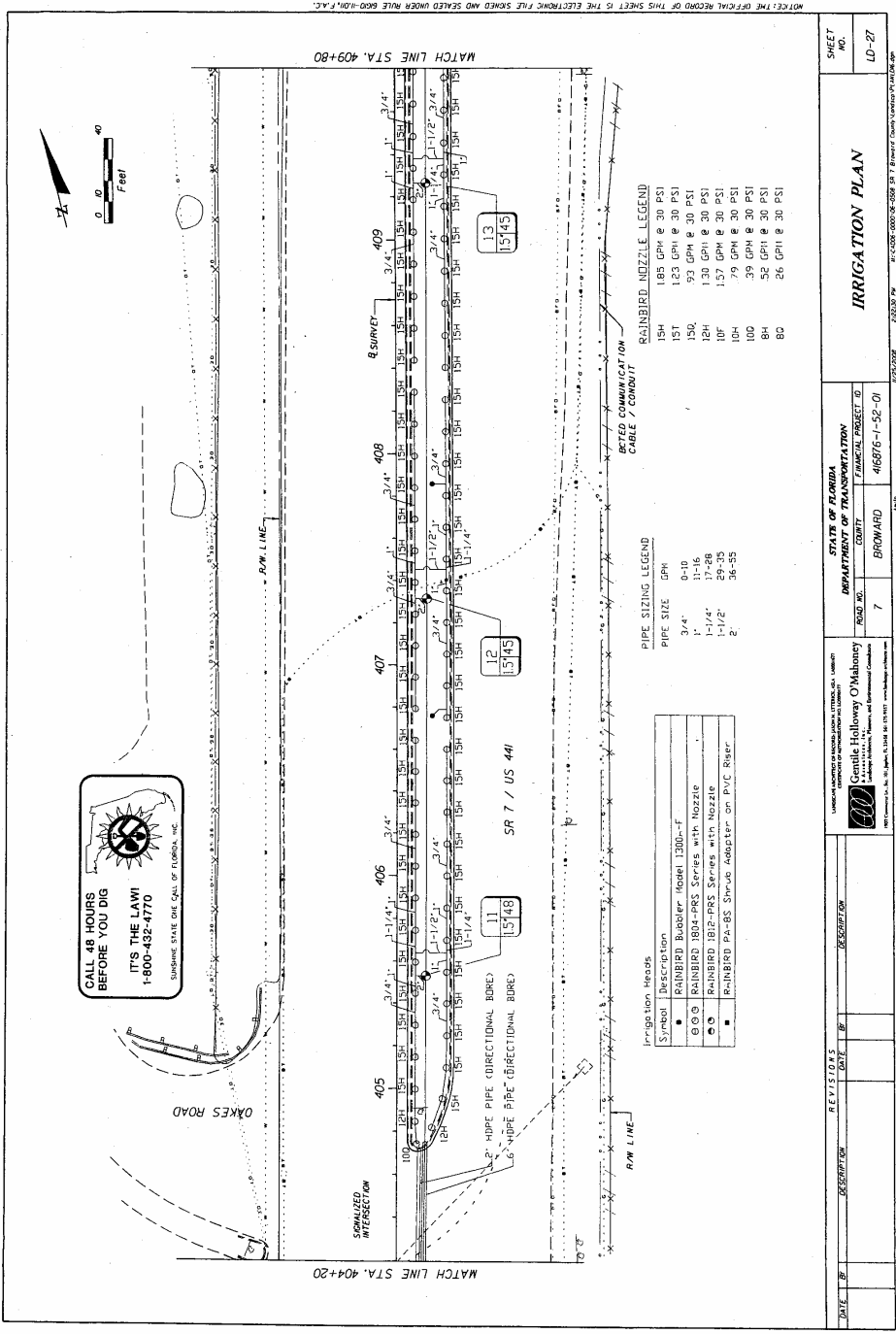
RAINBIRD NOZZLE LEGEND

| | |
|-----|------------------|
| 15H | 185 GPM @ 30 PSI |
| 15T | 123 GPM @ 30 PSI |
| 15D | 93 GPM @ 30 PSI |
| 12H | 130 GPM @ 30 PSI |
| 10F | 157 GPM @ 30 PSI |
| 10H | 79 GPM @ 30 PSI |
| 10D | 39 GPM @ 30 PSI |
| 8H | 52 GPM @ 30 PSI |
| 8D | 26 GPM @ 30 PSI |

| | | | | | |
|--|--|------------------------------|--|-----------------------|--|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | PROJECT NO. 416076-J-52-U | | SHEET NO. LD-23 | |
| ROAD NO. 7 | | CITY BROWARD | | DATE 2/25/2008 | |
| DESIGNER Gentile Holloway O'Mahoney | | DRAWN BY BROWARD | | CHECKED BY BROWARD | |
| DATE 2/25/2008 | | DATE 2/25/2008 | | DATE 2/25/2008 | |

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PIPE SIZING LEGEND

| PIPE SIZE | GPM |
|-----------|-------|
| 3/4" | 0-10 |
| 1" | 11-26 |
| 1 1/4" | 27-35 |
| 1 1/2" | 36-55 |

RAINBIRD NOZZLE LEGEND

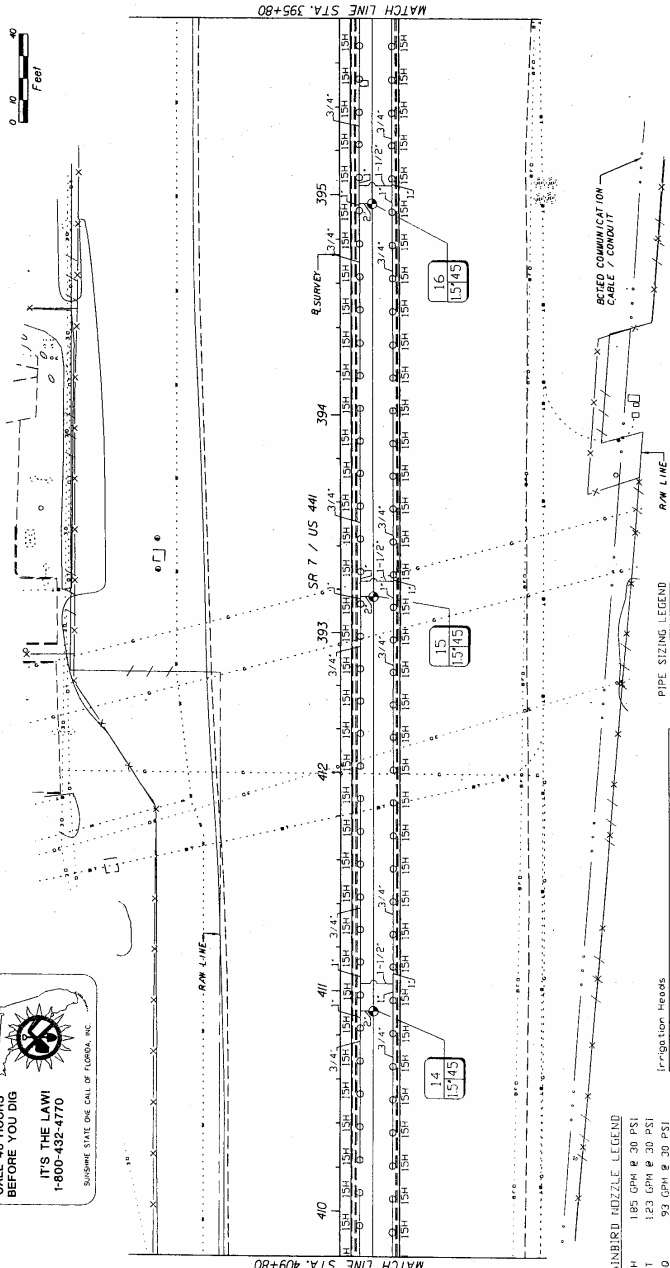
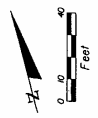
| | |
|-----|------------------|
| 15H | 185 GPH @ 30 PSI |
| 15T | 123 GPH @ 30 PSI |
| 15Q | 93 GPH @ 30 PSI |
| 12H | 130 GPH @ 30 PSI |
| 10T | 157 GPH @ 30 PSI |
| 10H | 79 GPH @ 30 PSI |
| 10Q | 39 GPH @ 30 PSI |
| 8H | 52 GPH @ 30 PSI |
| 8Q | 26 GPH @ 30 PSI |

Irrigation Heads

| Symbol | Description |
|--------|--|
| ● | RAINBIRD Bubbler Model 1300-LF |
| ⊙ | RAINBIRD 1804-PRS Series with Nozzle |
| ⊙ | RAINBIRD 1812-PRS Series with Nozzle |
| ■ | RAINBIRD PA-85 Sprink Adapter on PVC Riser |

| | | | |
|--|--|--------------------------------------|---------------------------|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | PROJECT NO. 416876-1-52-01 | SHEET NO. LD-27 |
| PROJECT NAME Gentle Holloway O'Malley | | CONTRACT NO. 7 | DATE 7/20/2024 |
| DESIGNER Gentle Holloway O'Malley | | CHECKED BY BROWARD | DATE 7/20/2024 |
| REVISIONS | | NOTES | |

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RAINBIRD NOZZLE LEGEND

| Symbol | Description |
|--------|---|
| ● | RAINBIRD Bubbler Model 1300A-F |
| ⊙ | RAINBIRD 1800-PRS Series with Nozzle |
| ⊙ | RAINBIRD 1812-PRS Series with Nozzle |
| ■ | RAINBIRD P-BS Sprinkler Adapter on P.V.C. Riser |

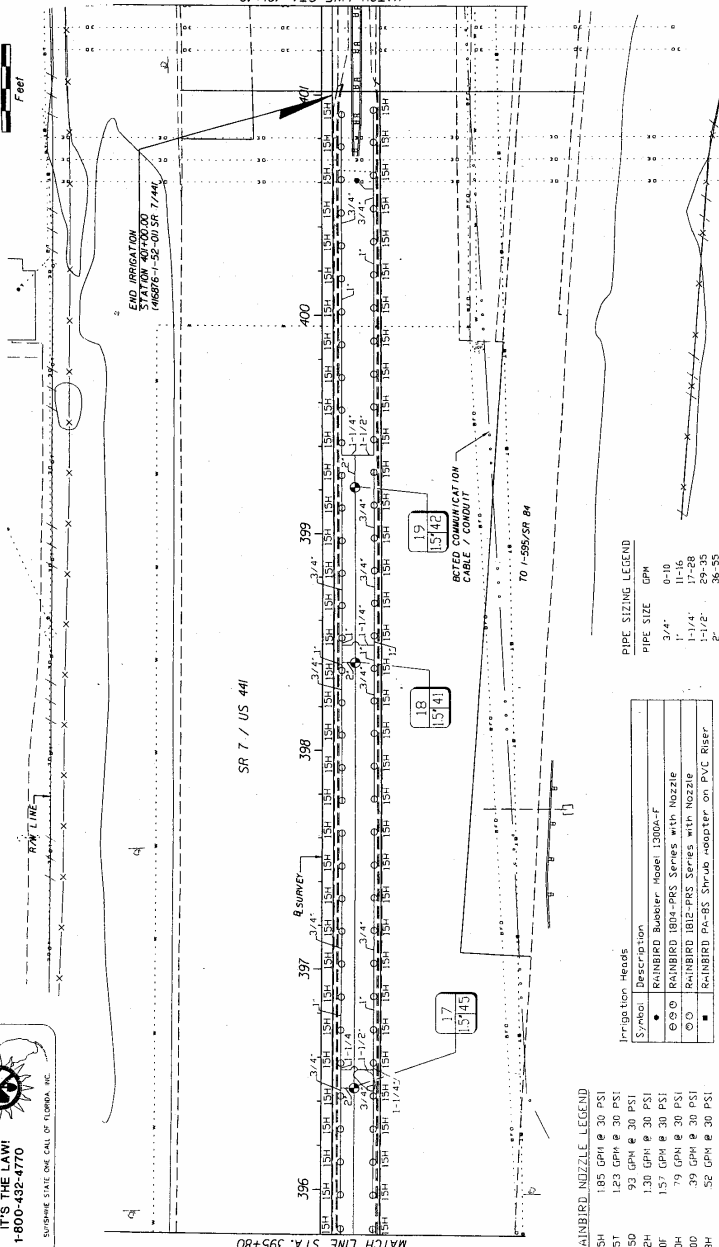
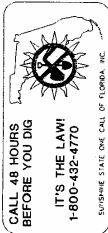
PIPE SIZING LEGEND

| PIPE SIZE | GPM |
|-----------|-------|
| 3/4" | 0-10 |
| 1" | 11-16 |
| 1-1/4" | 17-28 |
| 1-1/2" | 29-35 |
| 2" | 36-55 |

| | | | | | | | | | |
|------|--|-------------|--|-----------|--|------|--|-------------|--|
| DATE | | DESCRIPTION | | REVISIONS | | DATE | | DESCRIPTION | |
| | | | | | | | | | |

| | | | |
|---|--|--------------------|--|
| STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD PROJECT 46876-1-52-01 | | SHEET NO. LD-28 | |
|---|--|--------------------|--|

NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60D-8.001, F.A.C.



SR 7 / US 441

RAINBIRD NOZZLE LEGEND

| | |
|-----|------------------|
| 154 | 185 GPM @ 30 PSI |
| 151 | 123 GPM @ 30 PSI |
| 150 | 93 GPM @ 30 PSI |
| 149 | 123 GPM @ 30 PSI |
| 148 | 157 GPM @ 30 PSI |
| 147 | 79 GPM @ 30 PSI |
| 146 | 39 GPM @ 30 PSI |
| 145 | 52 GPM @ 30 PSI |
| 84 | 26 GPM @ 30 PSI |
| 80 | 26 GPM @ 30 PSI |

Irrigation Heads

| Symbol | Description |
|--------|---------------------------------------|
| ● | RAINBIRD Rubber Model 12004-F |
| ○ | RAINBIRD 1804-PRS Series with Nozzle |
| ○ | RAINBIRD 1812-PRS Series with Nozzle |
| ■ | RAINBIRD PA-85 Sprinkler on PVC Riser |

PIPE SIZING LEGEND

| PIPE SIZE | GPM |
|-----------|-------|
| 3/4" | 0-10 |
| 1" | 11-16 |
| 1-1/4" | 17-28 |
| 1-1/2" | 29-35 |
| 2" | 36-55 |

| | | | | | | | |
|------------------------------|--|----------|--|---------------------------|--|----------|--|
| DATE | | REVISION | | DATE | | REVISION | |
| | | | | | | | |
| STATE OF FLORIDA | | | | IRrigation PLAN | | | |
| DEPARTMENT OF TRANSPORTATION | | | | PROJECT NO. 46876-1-52-01 | | | |
| COUNTY BROWARD | | | | ROAD NO. 7 | | | |
| SHEET NO. LD-29 | | | | SHEET NO. 23521 PM | | | |

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 600-8.001, F.A.C.

Irrigation Equipment Table

| Irrigation Heads | | | Radius |
|------------------|----------|---|---------|
| Quantity | Symbol | Description | |
| 3 | RAINBIRD | Rainbird Model 1300-4F | 100 Ft |
| 9 | 80 B | RAINBIRD 1804-PRS with 8" Quarter Arc Nozzle | 800 Ft |
| 27 | 84B | RAINBIRD 1804-PRS with 8" Half Arc Nozzle | 800 Ft |
| 1 | 100 B | RAINBIRD 1804-PRS with 10" Quarter Arc Nozzle | 1000 Ft |
| 54 | 104B | RAINBIRD 1804-PRS with 10" Half Arc Nozzle | 1000 Ft |
| 22 | 120B | RAINBIRD 1804-PRS with 12" Half Arc Nozzle | 1200 Ft |
| 1 | 150B | RAINBIRD 1804-PRS with 15" Quarter Arc Nozzle | 1500 Ft |
| 2 | 151B | RAINBIRD 1804-PRS with 15" Quarter Arc Nozzle | 1500 Ft |
| 259 | 80 C | RAINBIRD 1812-PRS with 8" Quarter Arc Nozzle | 800 Ft |
| 15 | 84 C | RAINBIRD 1812-PRS with 8" Half Arc Nozzle | 800 Ft |
| 2 | 100 C | RAINBIRD 1812-PRS with 10" Quarter Arc Nozzle | 1000 Ft |
| 2 | 104 C | RAINBIRD 1812-PRS with 10" Half Arc Nozzle | 1000 Ft |
| 2 | 120 C | RAINBIRD 1812-PRS with 12" Half Arc Nozzle | 1200 Ft |
| 10 | 150 C | RAINBIRD 1812-PRS with 15" Half Arc Nozzle | 1500 Ft |
| 10 | 10F | RAINBIRD 1812-PRS with 10" Full Arc Nozzle | 1000 Ft |

| Pipe (Mainline) | | | Size |
|-----------------|--------|-------------------------|--------|
| Quantity | Symbol | Description | |
| 234 Ft | | Schedule 40 P.V.C. Pipe | 2" |
| 267 Ft | | Schedule 40 P.V.C. Pipe | 1-1/2" |
| 485 Ft | | Schedule 40 P.V.C. Pipe | 1-1/4" |
| 1384 Ft | | Schedule 40 P.V.C. Pipe | 1" |
| 4965 Ft | | Schedule 40 P.V.C. Pipe | 3/4" |

| Pipe (Lateral) | | | Size |
|----------------|--------|-------------------------|------|
| Quantity | Symbol | Description | |
| 4545 Ft | | Schedule 40 P.V.C. Pipe | 3" |

| Pipe (Directional Bore) | | | Size |
|-------------------------|--------|-------------|------|
| Quantity | Symbol | Description | |
| 1550 Ft | | HDPE Pipe | 6" |
| 1550 Ft | | HDPE Pipe | 2" |

| Water Veil | | | Size |
|------------|--------|--|--------|
| Quantity | Symbol | Description | |
| 1 | | P.V.C. Casp Gravel Pack w/Stainless Steel Screen | 4 inch |

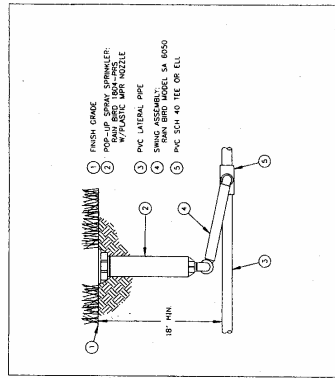
| Pumps | | | Size |
|----------|--------|---|------|
| Quantity | Symbol | Description | |
| 1 | | Master Pump Station Model HQ-SGS-230/31E-20/M/2 | 5 hp |

| Controller | | | Size |
|------------|--------|---|----------|
| Quantity | Symbol | Description | |
| 1 | | Rainbird Controller Model ESPLM with floodies | 20 Zones |

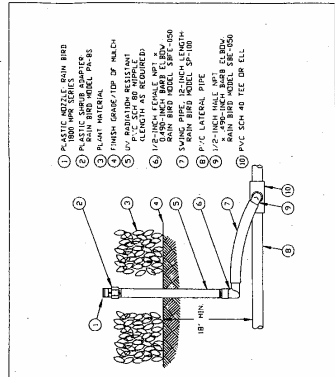
| Valves | | | Size |
|----------|--------|--|--------|
| Quantity | Symbol | Description | |
| 19 | | Rainbird Electric Valve Model 150-FEB in Valve Box | 1-1/2" |

| Wire (Low Voltage) | | | Size |
|--------------------|--------|-----------------------|---------|
| Quantity | Symbol | Description | |
| 48500 Ft | | UF Direct Burial Wire | 14WG 12 |

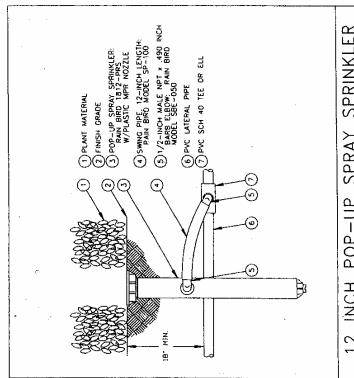
NOTE: QUANTITIES GIVEN ARE FOR CONTRACTORS CONVENIENCE ONLY. THE ACCURACY IS NOT GUARANTEED. IT IS RECOMMENDED THAT ONE VERIFY ALL QUANTITIES.



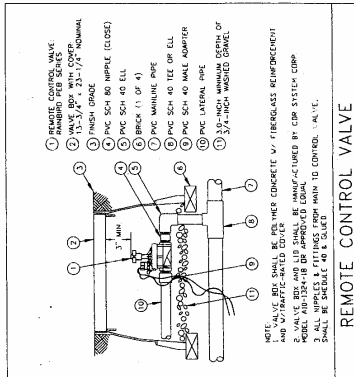
6 INCH POP-UP SPRAY SPRINKLER



SHRUB ADAPTER ON PVC RISER



12 INCH POP-UP SPRAY SPRINKLER



REMOTE CONTROL VALVE

| DATE | BY | DESCRIPTION | REVISIONS | DATE | BY | DESCRIPTION |
|------|----|-------------|-----------|------|----|-------------|
| | | | | | | |

| | | | | | | | | | |
|---|--|--|---|--|--|---------------------------------|--|--|-----------------------|
| UNIVERSITY OF FLORIDA INSTITUTE OF FOOD AND AGRICULTURAL SCIENCES Gentile Holloway O'Malley 1000 University Avenue, Gainesville, FL 32611-0700 941-372-2200 | | | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FLORIDA PROJECT NO. ROAD NO. COUNTY 7 BROWARD | | | IRRIGATION TABLE AND DETAILS | | | SHEET NO. LD-30 |
|---|--|--|---|--|--|---------------------------------|--|--|-----------------------|

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 600-10.01, F.A.C.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

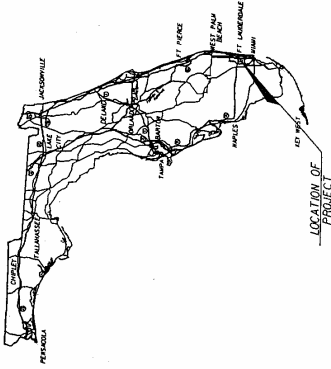
CONTRACT PLANS

FINANCIAL PROJECT ID 421672-1-52-01
BROWARD COUNTY (86220)
STATE ROAD NO. 817 / UNIVERSITY DRIVE
FROM ORANGE DRIVE TO S.W. 30th STREET

LANDSCAPE PLANS

INDEX OF LANDSCAPE PLANS

| SHEET NO. | SHEET DESCRIPTION |
|-----------|---|
| LD-1 | KEY SHEET OF QUANTITIES / PLANT SCHEDULE |
| LD-2 | LANDSCAPE GENERAL NOTES |
| LD-3 | LANDSCAPE DETAILS |
| LD-4 | LANDSCAPE LEGEND AND TABULATION OF QUANTITIES |
| LD-5 | IRRIGATION LEGEND, NOTES AND DETAILS |
| LD-6 | IRRIGATION DETAILS |
| LD-7 | IRRIGATION ELECTRICAL SERVICE DETAIL |



LOCATION OF PROJECT

LANDSCAPE SHOP DRAWINGS
TO BE SUBMITTED TO:
ROBERT J. COTTEUR
COTTEUR & ASSOCIATES, INC.
1000 N.W. 10th Street, Suite 1
Fort Lauderdale, FL 33304

PLANS PREPARED BY:
Landscape Architect of Record: Robert J. Cotteur, RLA #002
Cotteur & Associates, Inc.
1000 N.W. 10th Street, Suite 1
Fort Lauderdale, FL 33304
Phone: 954-582-7477
Fax: 954-582-7477
E-mail: rjcotteur@coteur.com
Contract No. 421672-1-52-01



NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION

MAR 25 2009
ROBERT J. COTTEUR

| DATE | KEY SHEET REVISIONS RECEIVED |
|------|---------------------------------|
| | |

LANDSCAPE PLANS
LANDSCAPE
ARCHITECT OF RECORD: ROBERT J. COTTEUR
RLA No. 002

| FISCAL YEAR | SHEET NO. |
|-------------|-----------|
| 10 | LD-1 |

FOOT PROJECT MANAGER: MADR RODRIGUES, P.E.

| TABULATION OF QUANTITIES / PLANT SCHEDULE | | | | | | | | | | | | | | | |
|---|-----|--|--------------------------------|--------|---------------------------------|---------------|-------|------|-------|------|-------|----------------|---------------|--|--|
| P/W ITEM NO. | SYM | DESCRIPTION | SIZE | NATIVE | * MAXIMUM MAINTAINED SIZE | SHEET NUMBERS | | | | | | GRAND TOTAL | REF. SHEET | | |
| | | | | | | LD-5 | | LD-6 | | LD-7 | | | | | |
| | | | | | | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | | | | |
| 500-1-2 | | PERFORMANCE 500 (ST. ARIZONA - FLORITAM) | SEE P/W ITEM NOTES, SHEET LD-3 | | | | | | | | | | | | |
| 500-1-1 | | SMALL PLANTS | SEE P/W ITEM NOTES, SHEET LD-3 | | | | | | | | | | | | |
| | C1 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | 139 | | 150 | | | | 2,392 | | | |
| | C2 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C3 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C4 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C5 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C6 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C7 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C8 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C9 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C10 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C11 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C12 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C13 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C14 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C15 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C16 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C17 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C18 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C19 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C20 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C21 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C22 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C23 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C24 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C25 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C26 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C27 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C28 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C29 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C30 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y | 6" | | | | | | | 298 | | | |
| | C31 | Chrysanthemum 1000 (P/W) - Pink Tip Double | #3 GAL 1/2 1/2, 2" OC | Y</ | | | | | | | | | | | |


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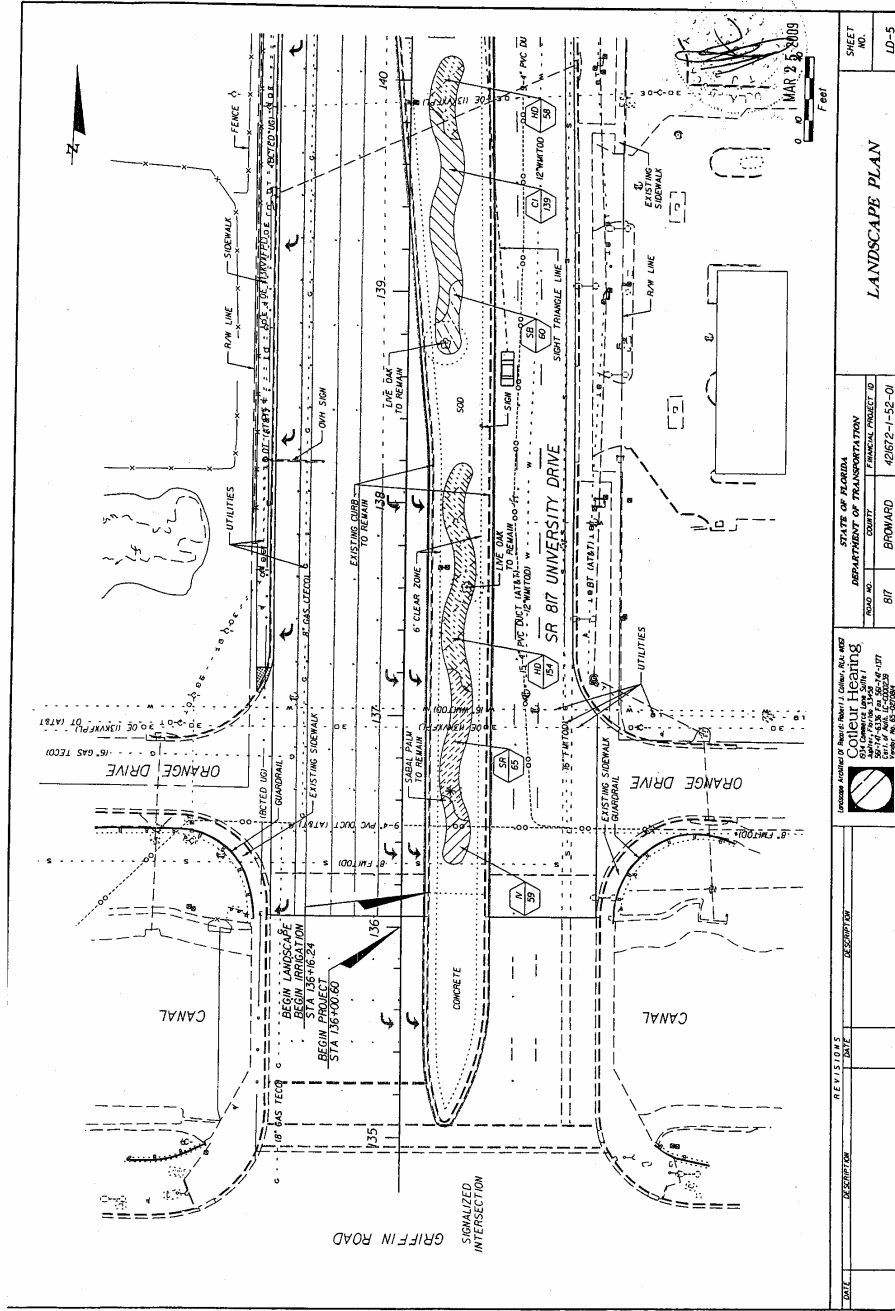


NOT TO SCALE

NOT TO SCALE


MAR 25 2009

| | | | | | | | | | | | | | |
|------|--|-------------|--|-----------|--|---|--|---|--|--|--|-------------------------------------|--|
| DATE | | DESCRIPTION | | REVISIONS | |  | | LANDSCAPE ARCHITECT: DR. ROBERT L. COLLIER, AIA, #452 COLLIER HEATING & AIR CONDITIONING, INC. 2001 N. W. 10TH AVE., SUITE 1 MIAMI, FLORIDA 33136 305-745-4330 FAX 305-745-1397 305-745-4330 FAX 305-745-1397 PROJECT NO. 02-0020 DRAWN BY: J. GILBERT | | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 817 COUNTY BROWARD PROJECT ID 42672-1-52-01 | | LANDSCAPE DETAILS SHEET NO. LD-4 | |
|------|--|-------------|--|-----------|--|---|--|---|--|--|--|-------------------------------------|--|



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ELECTRICAL SERVICE LEGEND

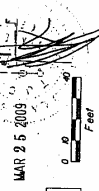
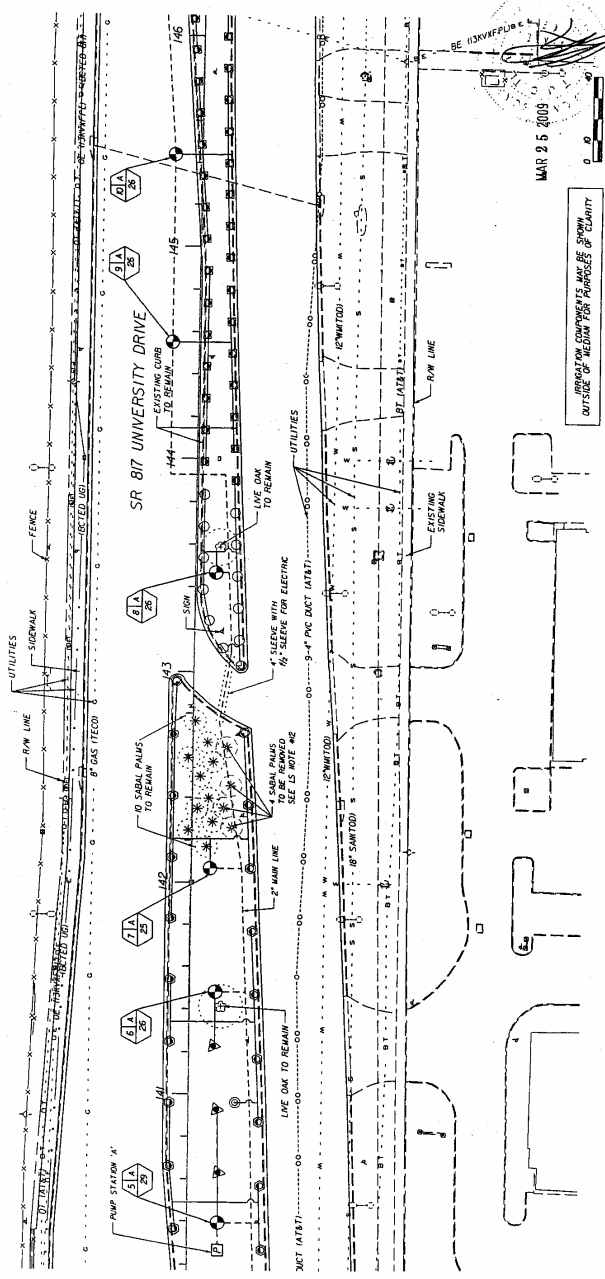
 POWER DISTRIBUTION POINT FOR REQUIREMENTS SEE INDEX NO. 17504 OF DESIGN STANDARDS, AND SERVICE POINT DETAIL SHEET.

2" PVC SCH. 40 ELECTRICAL CONDUIT UNDERGROUND WITH 14MM CROSSPOLYLINK CONDUCTORS INSIDE (CONDUCTOR SIZE AS SHOWN ON PLAN SHEETS). RUN ONE 1/2" COPPER BOND CONDUCTOR (14MM CROSSPOLYLINK GREEN INSULATION) INSIDE CONDUIT WITH OTHER CONDUCTORS.

NOTES: REFER TO IRRIGATION LEGEND FOR PRODUCT DESCRIPTION AND MODEL NUMBERS.
• PIPE LENGTHS BASED ON SCHEMATIC LAYOUT SHOWN IN THESE PLANS. ACTUAL QUANTITIES MAY VARY.

2009 05 25

[illegible]



IRRIGATION CONDUIT SHALL BE 18\"/>

| DATE | REVISION | DESCRIPTION |
|------|----------|-------------|
| | | |
| | | |
| | | |
| | | |

| | | | |
|------------------|--|------------------------------|--|
| STATE OF FLORIDA | | DEPARTMENT OF TRANSPORTATION | |
| COUNTY | | BROWARD | |
| ROAD NO. | | 42672-1-52-01 | |
| PROJECT NO. | | 42672-1-52-01 | |
| DRAWN BY | | J. L. GORDON | |
| CHECKED BY | | J. L. GORDON | |
| APPROVED BY | | J. L. GORDON | |

| | | | |
|-----------|--|--------------|--|
| ENGINEER | | J. L. GORDON | |
| DATE | | MAR 25 2009 | |
| SHEET NO. | | 10-12 | |

SECTION Nos.: 86100000, 86220000
86190000, 86015000
86080000, 86016000
S.R. Nos.: 7, 817, 823, 818, 848
COUNTY: Broward
FM Nos.: 40843915401
416553-1-58-01
41323-1-52-02
413796-1-52-01
421672-1-52-01
403698-1-72-01
WPI Nos. 4119110, 4119111
4119110, 4012014,
4110571, 4111149,
4110998

EXHIBIT E
MAINTENANCE PLANS

I. State Road 7 (US 441)

Gentile, Holloway, O'Mahoney
& Associates, Inc.

Dated: November 26, 2008

II. State Road 817 (University Drive)

Cotleur Hearing

Dated: March 25, 2009

MAINTENANCE PLAN

Landscape and Irrigation Plans

Project Name: S.R. 7 (US 441)
Project Limits: From Orange Drive to North of Oaks Road
Landscape and Irrigation Plans
FM No.: 416876-1-52-01
Agency: Town of Davie, Florida

The purpose for the following performance based descriptions of landscape maintenance practices is to allow the plant material on your project to thrive in a safe and vigorous manner. Plantings shall be maintained to provide required visibility and conform to all of the required setbacks as set forth by Florida Department of Transportation's governing standards and specifications; FDOT Design Standards (Most Current Date) and Standard Specifications for Road and Bridge Construction (Most Current Date), as amended by contract documents.

General Requirements:

Watering Requirements:

Watering is probably the most critical concern regarding the maintenance of healthy plant material. The amount of water to apply at any one time varies with the weather, drainage conditions and water holding capacity of the soil.

Proper watering techniques should provide even and thorough water dispersal to wet the entire root zone but not to saturate the soil and should avoid over-spray onto travel lanes. Furthermore, the Agency should maintain the rain sensors (if on an irrigation system), to ensure that they are functioning properly and that the system does shut down when there is sufficient rainfall.

Avoid extremes in watering. Light, frequent watering is ineffective and produces shallow root systems. Excessive watering that keeps the root zones saturated may kill the plant material due to the lack of available air to the root zone. A typical rule of thumb is that turf areas should receive on an average, a minimum of 1" of water per week, with an equal or lesser amount for trees and shrubs, depending on their individual water usage.

Irrigation:

Ensure there is no roadway overspray or irrigation activities during the daytime hours (most notably rush hour traffic periods).

Fertilization/Insecticides/Fungicides:

Due to the poor shallow root soils of the South Florida area, coupled with heavy rainfall during the growing season, available nutrient levels for landscape materials are very low,

therefore nutrient amendments are essential. A soil analysis of each planting site should be done to determine the nutrient levels needed for vigorous plant growth.

Palms, shrubs, trees and turf areas should be fertilized in such a manner and frequency to ensure that the plant material remains healthy, without under or over nourishing them. An integrated plant management program is required to ensure healthy plants, free of disease and pests. Insecticides and fungicides shall be applied as needed to ensure that plants and grass remain pest and disease free.

Mulching:

Planting beds should be mulched in such a manner as to: prevent weed growth, retain moisture for use by plants, protect soil from erosion and the loss of nutrients, maintain a more uniform soil temperature and maintain a manicured appearance. Mulch should always be kept away from the trunks of trees, shrubs and palms to prevent rotting and susceptibility to disease. No Cypress mulch should be utilized.

Pruning:

All pruning shall adhere to ANSI A300 standards (and safety criteria adhered to) and shall be overseen by an ISA Certified Arborist. The older fronds on the Royal Palms shall be routinely pruned to insure that fronds do not fall onto any travel lanes. All pruning shall be done with the health and natural growth of the plant materials in mind and to specific pruning heights of the landscape material shall be determined in order to maintain clear site windows and vertical clearances for pedestrian and truck traffic where applicable. Visibility windows must be free of obstructions.

The desired growth habit in landscape planting beds shall be such that shrubs of the same species shall develop into a single mass and be kept separate from adjacent masses of other species.

Staking and Guying:

All staking material (except for replacements) will be removed at the completion of the one year warranty period before the city takes over.

Turf Mowing:

All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a neat and clean appearance.

Litter Control:

The project site shall remain litter free.

Weeding/Herbicide:

All planting areas shall be maintained to be as weed free as possible with mechanical and/or chemical weeding, and where specified on plans, with mulch properly applied and maintained. When utilizing herbicide, extreme care should be taken to avoid any overspray onto plant materials. Any damage resulting from overspray will be the applicator's responsibility to restore per approved plan.

Project Specific Requirements:

Pruning within ODA View Zones:

All shrubs and groundcovers located within the designated 500' view zone for ODA shall be maintained at a height not to exceed 48" in height in order to maintain clear visibility to the existing billboards.

MAINTENANCE PLAN

Landscape Improvements

Project State Road No(s): 817
Project Limits: Orange Drive (MP 6.400) to SW 30th Street (MP 7.757)
FM No(s): 421672-1-52-01
Maintaining Agency: Town of Davie (Mr. Dan Oyler, Ph. 954-797-1240)
RLA of Record: Robert J Cotleur, R.L.A. 1067
Date: March 25, 2009

I. General Maintenance Requirements and Recommendations:

The purpose of a plan for the landscape improvements maintenance practices is to allow the plant material on your project to thrive in a safe and vigorous manner while fulfilling their intended purpose and conserving our natural resources. Plantings and all other landscape improvements shall be maintained to avoid potential roadway hazards and to provide required clear visibility, accessibility, clearance, and setbacks as set forth by Florida Department of Transportation (FDOT) governing standards and specifications: *FDOT Design Standards*, *FDOT Plans Preparation Manual Vol. I, Chapter 2.11* and *FDOT Standard Specifications for Road and Bridge Construction* as amended by contract documents; and all other requirements set forth by the District 4 Operations Maintenance Engineer. The initial portion of the Maintenance Plan describes general maintenance requirements and recommendations. The concluding section is recommendations prepared by the Landscape Architect of Record specific to the attached approved plans.

Watering Requirements:

Watering is a critical concern for not only the maintenance of healthy plant material but also for observing water conservation practices. The amount of water to apply at any one time varies with the weather, drainage conditions and water holding capacity of the soil. For plant materials that have been established, it is imperative that any mandated water restrictions be fully conformed to on FDOT roadways.

Proper watering techniques should provide even and thorough water dispersal to wet the entire root zone, but not saturate the soil or over-spray onto travel lanes.

Irrigation System:

The Agency shall ensure there are no roadway overspray or irrigation activities during daytime hours (most notably "rush hour" traffic periods). It is imperative the irrigation controller is properly set to run early enough that the watering process will be entirely completed before high traffic periods, while adhering to mandated water restrictions. To ensure water conservation, the Agency shall monitor the system for water leaks and the rain sensors to ensure they are functioning properly so that the system shuts down when there is sufficient rainfall.

Integrated Plant Management:

An assessment of each planting area's soil is recommended to periodically determine the nutrient levels needed to sustain healthy, vigorous plant growth.

Palms, shrubs, trees and turf areas shall be fertilized in such a manner and frequency to ensure that the plant material remains healthy and vigorously growing. Establishment of an integrated plant management program is encouraged to ensure healthy plants, which are free of disease and pests.

Mulching:

Mulch planting beds in such a manner as to: prevent weed growth; retain moisture to the plants; protect against soil erosion and nutrient loss; maintain a more uniform soil temperature; and improve the appearance of the planting beds. Avoid mulch mounded up on the trunks of trees, palms, and the base of shrubs to encourage air movement in this area that aids in lowering disease susceptibility. Cypress mulch is prohibited on state right of way.

Pruning:

All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute ANSI A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, and to specific pruning heights maintaining clear visibility for motorists, and vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions and all trees and palms (with particular attention to fronds and fruit) maintained to prevent potential roadway and pedestrian hazards. The specific pruning heights are determined by understanding the designer's intent when selecting and placing the plants. The intended mature maintained height and spread of plants should be noted on the planting plans. (See Specific Requirements and Recommendations per Approved Landscape & Irrigation Design for these guidelines). The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) of the medians are to be maintained at a height in compliance with FDOT Design Standards Index 546, Page 6 of 6, Window Detail. Vertical tree heights must meet *FDOT Maintenance Rating Program* (MRP) standards.

Staking and Guying:

All staking materials, except for replacements, are removed by the completion of FDOT warranty period or at one year (whichever comes first). Any subsequent staking and guying activities by the Agency must adhere to *FDOT Design Standards* guidelines (See Index 544). The Agency shall closely monitor staking and guying attachment materials so that they are securely fastened to avoid potential roadway hazards.

Turf Mowing:

All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a deep, healthy root system while providing a neat and clean appearance to the urban landscape. All turf

efforts: mowing, curb/sidewalk edging, and turf condition must meet *FDOT Maintenance Rating Program (MRP)*.

Litter Control:

The project site shall remain as litter free as practicable. It is recommended to recycle this litter to avoid unnecessary waste by its reuse. Litter removal efforts must meet *FDOT Maintenance Rating Program (MRP)* standards.

Weeding/Herbicide:

All planting areas shall be maintained as weed free as practicable enlisting integrated pest management practices in areas specified on the plans and by maintaining proper mulch levels. Extreme care is recommended if using a chemical herbicide to avoid overspray onto plant materials. Any damage resulting from overspray is the applicator's responsibility to restore the plantings to the approved plans.

Plant Replacement:

Plant replacement shall be the same species and specification as the approved plan. Move and replace all plant materials that may conflict with utility relocations and service. Only plants graded Florida #1 or better, per the *Florida Department of Agriculture and Consumers Services, Grades and Standards for Nursery Plants* are permitted on FDOT roadways. Should it become necessary to change the species, a general use permit is required from FDOT for approval by the FDOT District Landscape Architect.

Hardscape (Specialty Surfacing):

All specialty pavers and tree grates shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the pavers and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current *Interlocking Concrete Pavement Institute (ICPI), Section 23 14 13 Interlocking Concrete Pavers*, Part 3.05. If the pavers or tree grates become damaged, they shall be replaced with the same type and specification as the approved plan.

Hardscape (Non-Standard Travelway Surfacing):

It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway, including asphalt pavement, caused or contributed by the installation or failure of non-standard surfacing, and/or the header curb, on the Department of Transportation right-of-way within the limits of this Agreement. Pavement restoration areas or "patches" will have a minimum length of 10-ft, measured from the edge of the header curb, and a width to cover full lanes for each lane affected by the restoration.

Pavement restoration will be performed in accordance with the most current edition of the *FDOT Standard Specifications for Road and Bridge Construction*, and the *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System*.

It shall be the responsibility of the AGENCY to maintain all signs located within a non-standard surfacing area. Such maintenance to be provided by the AGENCY shall include repair, replace of the sign panel, post, and base.

Hardscape (Landscape Accent Lighting)

Landscape accent lighting shall be maintained in such a manner as to prolong the life of the lighting fixture and prevent potential safety hazards. If the lighting fixtures and their system become damaged, they shall be replaced with the same type and specification as the approved plan.

Maintenance of Traffic Control

Reference the FDOT website regarding the selection of the proper traffic control requirements to be provided during routine maintenance and / or new installations of this DOT roadway.

Website: Series 600 Traffic Control through Work Zones
<http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.htm>

Vegetation Management at Outdoor Advertising (ODA)

To avoid conflicts with permitted outdoor advertising, please reference the State of Florida website regarding the vegetation management of outdoor advertising. This website provides a portal to search the FDOT Outdoor Advertising Inventory Management System Database. The database contains an inventory of outdoor advertising structures, permits and other related information maintained by the Department.

Website: FDOT Outdoor Advertising Database
<http://www2.dot.state.fl.us/rightofway/Default.aspx>

Also, reference the Florida Highway Beautification Program website link for Vegetation Management at ODA signs for the Florida Statutes and Administrative Codes related to Vegetation Management at Outdoor Advertising Signs and Permit Applications for Vegetation Management and Outdoor Advertising Signs determining Mitigation Value of Roadside Vegetation.

Website: FDOT Environmental Management office for Landscape Architects
<http://www.dot.state.fl.us/emo/beauty/FLA.shtm>

II. Specific Project Site Maintenance Requirements and Recommendations:

The landscape design for the two median areas consists of limited sod, one tree, palms and shrubs. There are existing trees and palms that will remain as shown in the Landscape Plans. Currently these two medians do not have an irrigation system, and they vary in width from 24' to 49'. The irrigation design consists of a well and pump station located in one of the medians. The electrical power source for the pump station is located on the west edge of right of way.

The design is intended to be low maintenance and was reviewed with the Town of Davie. Sod wraps around the proposed shrub beds except in narrow areas of the medians. Four existing

Sabal Palms are located within a sight visibility line and will be removed as a part of this project. All shrubs within sight restricted areas will be maintained at a low height as shown in the typical median section detail in the plans and Index 546.

The majority of the plant material is native and low maintenance. The Sand Cordgrass will need to be severely cut back once every two to three years to generate regrowth. All other shrubs and vegetation will only be trimmed as needed to promote a uniform and healthy appearance. All areas outside of the medians are un-irrigated with no proposed landscaping.

REFERENCES

This reference list is provided as a courtesy. The list may not contain the most current websites. The most current references must be accessed for up to date information.

American National Standard Institute, *ANSI A300, (Part 1) for Tree Care Operations – Trees, Shrub, and Other Woody Plant Maintenance – Standard Practices (Pruning)*, available for purchase

<http://www.treespecialists.com/pdfs/pruningstandards.pdf>

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, *Florida Grades and Standards for Nursery Stock*, available for purchase

<http://www.doacs.state.fl.us/pi/plantinsp/publications.html>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 544 Landscape Installation*

<http://www.dot.state.fl.us/rddesign/rd/RTDS/08/544.pdf>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 546 Sight Distance at Intersections*

<http://www.dot.state.fl.us/rddesign/rd/RTDS/08/546.pdf>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 700 Roadside Offsets*

<http://www.dot.state.fl.us/rddesign/rd/RTDS/08/700.pdf>

Florida Department of Transportation, *FDOT Plans Preparation Manual (PPM) Vol. I Chapters 2.11.5, Horizontal Clearance to Trees; Table 2.11.9 Horizontal Clearance and Clear Zone; Figure 4.1.2 Clear Zone; and Table 25.4.11.1 Clear Zone Width (feet) and Table 25.4.14.6 (for existing) trees*

<http://www.dot.state.fl.us/rddesign/PPMManual/2008/Volume1/zChap02.pdf>

Florida Department of Transportation, *FDOT Standard Specifications for Road and Bridge Construction, Section 580 Landscape Installation*

<http://www.dot.state.fl.us/specificationoffice/Implemented/CurrentBK/CurrentSpecs/580.pdf>

Florida Department of Transportation, *Maintenance Rating Program Handbook*

<http://ombnet.dot.state.fl.us/procedures/bin/850065002.pdf>

Florida Department of Transportation, Landscape Architecture Website

<http://www.dot.state.fl.us/emo/beauty/beauty.shtml>

Interlocking Concrete Pavement Institute (ICPI)
<http://www.icpi.org/> <http://www.fisstate.org>

International Society of Arboriculture (ISA)
www.isa-arbor.com

Manual on Uniform Traffic Control Devices
<http://www.mutcd.fhwa.dot.gov>

Florida Irrigation Society
<http://www.fisstate.org>

Florida Department of Community Affairs (FCA), *Florida Board of Building Codes & Standards, Florida Accessibility Code for Building Construction*
http://www.dca.state.fl.us/fbc/publications/1_publications.htm

Guide to Roadside Mowing and Guide to Turf Management, available for purchase
<http://inonet.dot.state.fl.us/SupportServicesOffice/plist.htm>

Accessible Sidewalk Videos (ADA)
<http://www.access-board.gov/news/sidewalk-videos.htm>

SECTION Nos.: 86100000, 86220000
86190000, 86015000
86080000, 86016000
S.R. Nos.: 7, 817, 823, 818, 848
COUNTY: Broward
FM Nos.: 40843915401
416553-1-58-01
41323-1-52-02
413796-1-52-01
421672-1-52-01
403698-1-72-01
WPI Nos. 4119110, 4119111,
4119110, 4112014,
4110571, 4111149,
4110998

EXHIBIT F

PENDING DEPARTMENT PROJECTS COST ESTIMATE

- I. State Road 7 (US 441)
APPROXIMATE PROJECT COST: \$212,895.00
- II. State Road 817 (University Drive)
APPROXIMATE PROJECT COST: \$90,000.00

See attached Estimates. Amounts are approximate

| Pay Item No. | Construction Item | Units | Qty | Unit Cost | Total Cost |
|--|---|-------|-------|--------------|---------------------|
| 570-1-2 | Performance Turf (St. Augustine) | SY | 5,200 | \$3.25 | \$16,900.00 |
| SUBTOTAL | | | | | \$16,900.00 |
| Landscape Complete (Small Plants) | | | | | |
| 580-1-1 | Red Tip Cocoplum (Chrysobalanus Icaco) | EA | 372 | \$10.00 | \$3,720.00 |
| 580-1-1 | Firebush (Hamelia Patens) | EA | 98 | \$8.00 | \$784.00 |
| 580-1-1 | Saw Palmetto (Serenoa Repens) | EA | 130 | \$60.00 | \$7,800.00 |
| 580-1-1 | Green Island Ficus (Ficus Microcarpa) | EA | 332 | \$12.00 | \$3,984.00 |
| 580-1-1 | Fl. Gamma Grass (Tripsacum Floridana) | EA | 409 | \$8.00 | \$3,272.00 |
| 580-1-1 | Muhly Grass (Muhlenbergia Capillaris) | EA | 70 | \$8.00 | \$560.00 |
| | 1" Layer Topsoil over all landscape areas | SY | 6,200 | \$0.50 | \$3,100.00 |
| SUBTOTAL | | | | | \$23,220.00 |
| Landscape Complete (Large Plants) | | | | | |
| 580-1-2 | S. Fl. Slash Pine (Pinus Elliotti Densa) | EA | 47 | \$220.00 | \$10,340.00 |
| 580-1-2 | Live Oak (Quercus virginiana) | EA | 5 | \$750.00 | \$3,750.00 |
| 580-1-2 | Cabbage Palm (Sabal Palmetto) | EA | 15 | \$180.00 | \$2,700.00 |
| SUBTOTAL | | | | | \$16,790.00 |
| 590-70 | Irrigation System | LS | 1 | \$155,985.00 | \$155,985.00 |
| SUBTOTAL | | | | | \$155,985.00 |
| TOTAL ESTIMATED CONSTRUCTION COST | | | | | \$212,895.00 |
| FDOT Contribution: | | | | | \$150,120.00 |
| Town of Davie Contribution: | | | | | \$62,775.00 |
| <p>Opinion of Probable Construction Costs S.R. 7 (U.S. Highway 441) Median Landscape and Irrigation Plans FPID No. 416876-1-52-01 Project Limits: From Orange Drive (Sta. 372+35) south to I-595 Overpass (Sta. 401+00) Town of Davie, Florida Date: November 26, 2008</p> | | | | | |

| SR 817 UNIVERSITY DRIVE - Landscape & Irrigation Cost Estimate | | | | | | | | | |
|--|--|---|---|------|--|-------------|-------|-------------------------------|--------|
| PAY ITEM NO. | FDOT FPI# 421672-1-52-01, Coteleur & Hearing Project# 08-0508 -TOWN OF DAVIE | | | | | GRAND TOTAL | | LAST UPDATE: 3/25/2009 | |
| | SYM | DESCRIPTION | SIZE/REMARKS | UNIT | | PLAN | FINAL | INSTALLED UNIT COST W/ MAINT. | SUB-TI |
| 570-1-2 | | PERFORMANCE SOD (ST. AUGUSTINE - FLORITAM) | SEE PAY ITEM NOTES, SHET LD-3 | SY | | 2,392 | | \$ 4.50 | \$ 10 |
| 580-1-1 | | SMALL PLANTS | SEE PAY ITEM NOTES, SHET LD-3 | LS | | 1 | | | |
| | CI | Chrysobalanus 'coco 'Red Tip' - Red Tip Cocoplum | # 3 GAL, 1.5x 1.5', 2.5' OC | | | 298 | | \$ 10.08 | \$ 3, |
| | CID | Chrysobalanus 'coco 'Horizontalis' - Dwarf Cocoplum | # 3 GAL, 1'x 1.5', 2' OC | | | 366 | | \$ 10.71 | \$ 3, |
| | EU | Euphorbia milli 'Rosy' (Pink) - Dwarf Crown of Thorns | # 1 GAL, 8"x 8", 1.5' OC | | | 338 | | \$ 6.30 | \$ 2, |
| | HD | Hamelia patens 'Macrantha' - Dwarf Firebush | # 3 GAL, 1.5x 2', 2.5' OC | | | 212 | | \$ 10.71 | \$ 2, |
| | IV | Ilex vomitoria 'Stokes Dwarf' - Dwarf Yaupon Holly | # 3 GAL, 1'x 1', 2' OC | | | 277 | | \$ 11.34 | \$ 3, |
| | JP | Juniperus parsonii - Parsons Juniper | # 3 GAL, 1'x 1.5', 2' OC | | | 211 | | \$ 10.71 | \$ 2, |
| | SB | Spartina bakeri - Sand Cordgrass | # 3 GAL, 1.5x 1.5', 2' OC | | | 125 | | \$ 10.08 | \$ 1, |
| 580-1-2 | | LARGE PLANTS | SEE PAY ITEM NOTES, SHET LD-3 | LS | | 1 | | | |
| | QV | Quercus virginiana - Live Oak | 16"x 7', 4.5" CAL, FULL, 5' CT | | | 1 | | \$ 428.40 | \$ |
| | SP | Sabal palmetto - Sabal Palmetto | 10', 14', 20' CT, STGG, (1/3 ECH SIZE), SLICK, STRAIGHT TRUNK | | | 9 | | \$ 176.40 | \$ 1, |
| | SR | Serenoa repens - Saw Palmetto | # 7 GAL, 2'x 2', 4' OC | | | 236 | | \$ 88.20 | \$ 20, |
| 590-70 | | IRRIGATION SYSTEM | SEE PAY ITEM NOTES, SHET LD-3 | LS | | 1 | | \$ | \$ 25, |
| 639-1-22 | | ELECTRICAL POWER SERVICE (U.G.) | SEE PAY ITEM NOTES, SHET LD-3 | AS | | 1 | | \$ | \$ 12, |
| TOTAL LANDSCAPE AND IRRIGATION COST | | | | | | \$ 88,9 | | | |
| TOTAL LANDSCAPE BUDGET | | | | | | \$ 90,0 | | | |
| TOTAL AMOUNT OVER/UNDER BUDGET | | | | | | \$ 1,018 | | | |

IRRIGATION SYSTEM COST ESTIMATE - Town of Davie

SR 817 University Drive

FDOT FPI# 421672-1-52-01, Cotleur & Hearing Project# 08-0508

March 25, 2009

| PAY ITEM NO. | ITEM DESCRIPTION | UNIT | TOTAL QTY | UNIT COST | SUB-TOTAL |
|------------------------------|---|------|-----------|-------------|---------------------|
| 590-70 | IRRIGATION SYSTEM | | | | |
| | Bubbler | EA | 1 | \$ 7.50 | \$ 7.50 |
| | RAINBIRD 1800 Series 6" Pop up heads | EA | 66 | \$ 15.00 | \$ 990.00 |
| | RAINBIRD 1800 Series 12" Pop up heads | EA | 53 | \$ 22.00 | \$ 1,166.00 |
| | HUNTER PGP Rotor Heads | EA | 47 | \$ 28.00 | \$ 1,316.00 |
| | HUNTER PGP Rotor on PVC Riser | EA | 3 | \$ 30.25 | \$ 90.75 |
| | IRRITROL 100 Series 1-1/2" Electric Valve with Actuators 2" Well and 2 HP Goulds Pump Station with Rain Sensor, Controller and (Optional) Rust Inhibitor System | EA | 14 | \$ 285.00 | \$ 3,990.00 |
| | PVC Sch. 160 Lateral Pipe | * LF | 2743 | \$ 0.76 | \$ 2,084.68 |
| | PVC Sch. 40, 2" Mainline | * LF | 1345 | \$ 5.80 | \$ 7,801.00 |
| | PVC Sch. 80 Sleeve & Installation | * LF | 70 | \$ 9.25 | \$ 647.50 |
| | Misc. Fittings, Permits & Contingency | LS | 1 | \$ 2,200.00 | \$ 2,200.00 |
| | Low Voltage Wire | * LF | 6,200 | \$ 0.34 | \$ 2,108.00 |
| TOTAL IRRIGATION COST | | | | | \$ 25,401.43 |

* PIPE & WIRE QUANTITIES BASED ON SCHEMATIC LAYOUT SHOWN IN THESE PLANS. ACTUAL QUANTITIES MAY VARY.